# OWNER'S GUIDE

**MODEL NOS. 141-760 10 H.P.**
**141-860 12 H.P. — 141-960 14 H.P.**

# GARDEN TRACTOR

Snow Blade 191-763
Deck 192-761 - N/A



## WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.

**MTD PRODUCTS INC • 5389 WEST 130TH ST. • P.O. BOX 2471 • CLEVELAND, OHIO 44111**

Form No. 770-2902

# BE A PRO! KNOW YOUR MACHINE —

# HOW TO CONTROL IT SMOOTHLY, AND HOW TO STOP IT QUICKLY! AND—

# READ THE OWNERS MANUAL

## SAFETY TIPS FOR GARDEN TRACTORS AND ATTACHMENTS

Improper use of riding lawn mowers, garden tractors and attachments on the part of the operator can result in injury. To reduce this possibility, give complete and undivided attention to the job at hand.

1. Know the controls and how to stop quickly – READ THE OWNER'S MANUAL.
2. Do not allow children to operate machine; nor adults to operate it without proper instruction.
3. Clear work area of objects which might be picked up and thrown.
4. Disengage all clutches and shift into neutral before starting motor. Keep hands, feet and clothing away from power driven parts.
5. Do not carry passengers. Keep children and pets a safe distance away.
6. Never direct discharge of any material toward by-standers nor allow anyone near machine while in operation.
7. Disengage power to any attachment and stop motor before leaving operator position.
8. Take precautions when leaving machine unattended (to avoid accidental starting, rolling away, accidental dropping of any attachment, etc.)
9. Disengage power to any attachment whenever it is not in use or when traveling from one work area to another.
10. Stay alert for holes and other hidden hazards.
11. Know what is behind you before backing up.
12. Beware of steep slopes; reduce speed on all side slopes and sharp turns to prevent tipping or losing control.
13. Don't stop or start suddenly when going uphill or downhill.
14. Use extra care when pulling loads or using heavy equipment. (Refer to your owner's manual)
15. Watch out for traffic when near roadways.
16. Handle gasoline with care – it is highly flammable.
    A. Use approved gasoline container.
    B. Never add gasoline to running motor – fill tank out of doors and wipe up spilled gasoline.
    C. Replace gasoline cap securely.
    D. Open doors if motor is run in garage – exhaust gases are dangerous.
17. Keep machine in good operating condition and keep safety devices in place. Use guards as instructed in owner's manual.
18. Disengage power to any attachment and stop motor before making repairs or adjustments.
19. While operating the mower, if any foreign object is struck, stop the mower and inspect for damage. Do not restart or operate the mower until all damage has been repaired.

# KNOW YOUR TRACTOR

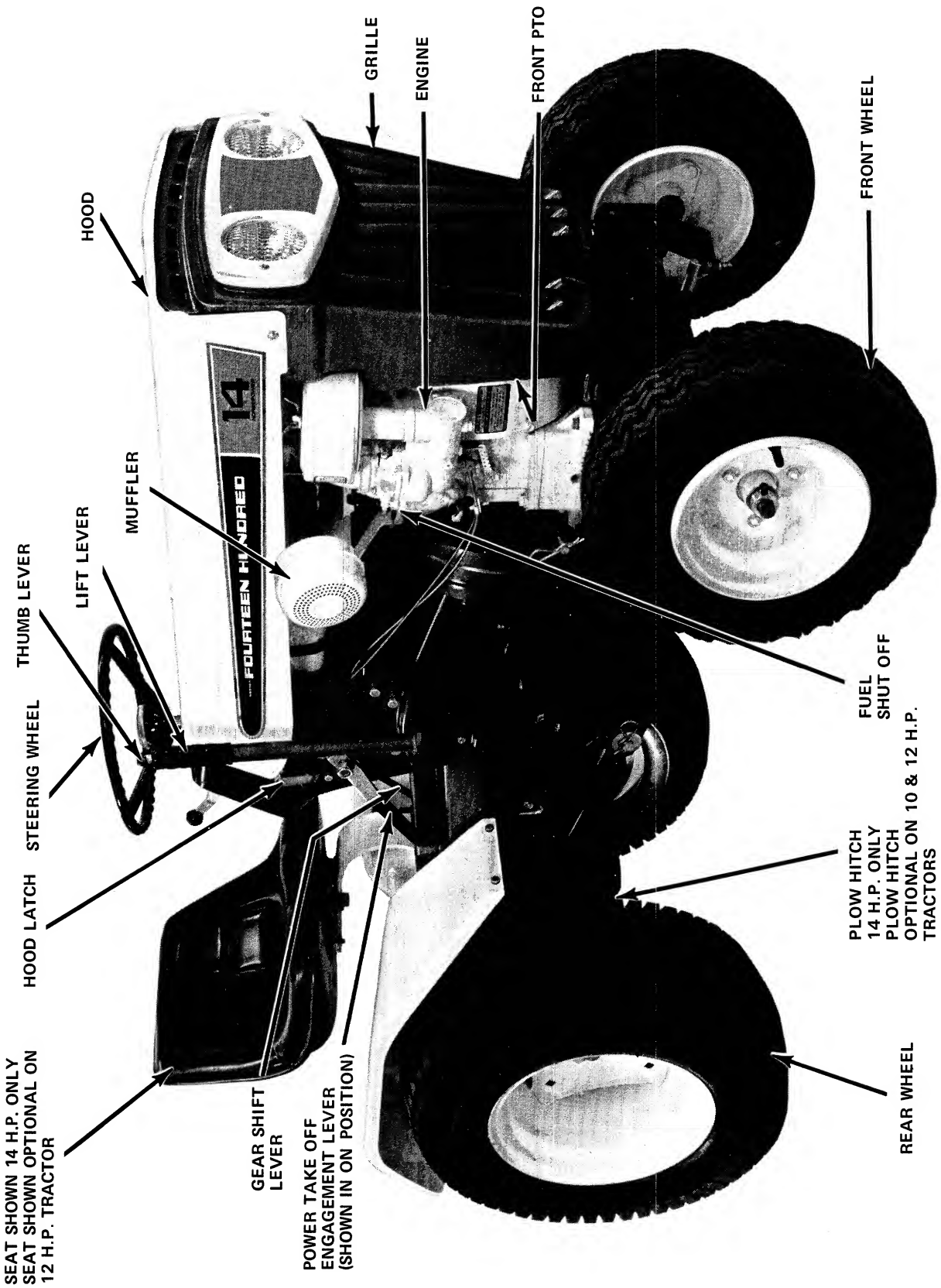
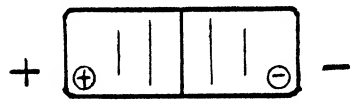



FIG. 1

# ASSEMBLY INSTRUCTIONS

1. Place battery to be filled on bench or workbench. Never activate battery in tractor. Remove vent plugs from all cells.
2. Fill each cell carefully using battery grade 1.250-1.265 specific gravity Sulfuric Acid to 3/8" above the top of the separators or to the split ring.
3. Allow battery to set for 20 minutes. Battery can then be installed, however, to have maximum capacity the battery should be placed on a charger after the 20 minutes setting period. Battery can be charged at maximum of 35 amperes until the specific gravity reading is 1.265-1.275.
4. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225 remove battery and recharge.
5. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells. Coat the terminals with a thin coat of grease.
6. If the battery is not going to be used in the winter, remove the battery and store in a cool, dry place. Do not store directly on a concrete floor as this will drain the battery. Recharge whenever the specific gravity is less than 1.225.

**725-130 BATTERY SPECIFICATIONS**

| | | |
|---|---|---|
| **45 AMP.HRS. at 20 HRS.**<br>**PLATES PER CELL 9**<br>**ASSEMBLY LEFT HAND**<br>**WEIGHT WET 22 LBS.**<br>**WEIGHT DRY 17 LBS.** | **ELECTROLYTE 2 QUARTS SPLASH PROOF VENTS TERMINALS REGULAR AUTOMOTIVE TYPE – ROUND – ONE LARGE AND ONE SMALL** | **SIZE 9 x 6-3/4 x 7-1/2**<br>  |

**WARNING**

SINCE BATTERY ACID IS CORROSIVE TO METALS, DO NOT POUR INTO ANY SINK OR DRAIN. RINSE EMPTY ELECTROLYTE CONTAINERS AND MUTILATE BEFORE DISCARDING. IF ACID IS ACCIDENTALLY SPILLED ON BATTERY DURING FILLING OR CHARGING, OR ON BENCH OR CLOTHING, ETC., FLUSH OFF WITH CLEAR WATER AND NEUTRALIZE WITH SODA OR AMMONIA SOLUTION.

### INSTALLING THE BATTERY

Place the battery in the tractor with the negative terminal towards the front of the tractor. Before sliding the battery all the way in, attach the positive battery cable (red) to the positive terminal and attach the negative battery cable (black) to the negative terminal. Slide the battery into the proper position and use the hold down rods and cross rod with the washers and wing nuts to hold the battery in place. Screw wing nuts finger tight. Overtightening can crack the battery case. (see Fig. 2)

CHECK TIRE PRESSURE.

Use 10 to 12 pounds pressure for grass cutting. Use 15 to 20 pounds for field work.

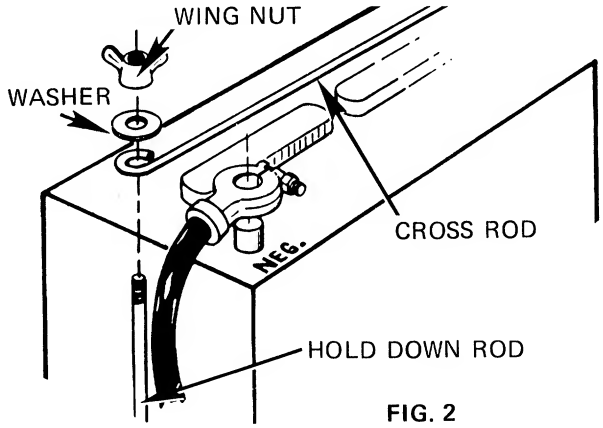


FIG. 2

## BEFORE STARTING

### FILL FUEL TANK

Use clean, fresh "regular" grade gasoline. Fill tank completely.

DO NOT FILL GASOLINE TANK WHILE ENGINE IS RUNNING. Avoid spilling gasoline on a hot engine – this may cause an explosion and serious injury.

DO NOT MIX OIL WITH GASOLINE

### OIL RECOMMENDATIONS

| WINTER | SUMMER |
|---|---|
| (Below 40° F.) | (Above 40° F.) |
| Use SAE 5W-20 | Use SAE 30 |

Any high quality detergent oil having the American Petroleum Institute classification "For Service MS" can be used in your Briggs & Stratton engine. Detergent oils keep the engine cleaner and retard the formation of gum and varnish deposits.

The above oil recommendations are the result of extensive testing. No special additives should be used.

### FILL CRANKCASE WITH OIL

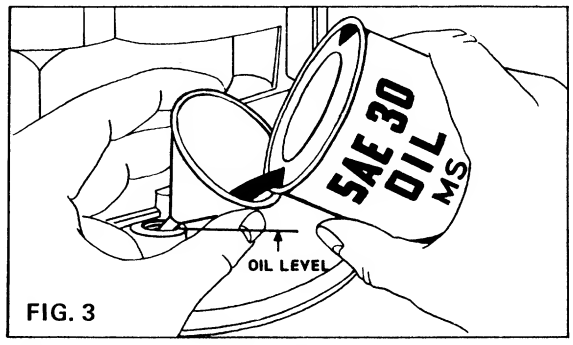


FIG. 3

Remove the oil filler plug. Place the engine level. Fill the crankcase to overflowing. POUR SLOWLY. CAPACITY 4 PINTS. Replace the filler plug.

# GENERAL INFORMATION

## ENGINE AND DRIVE TRAIN

Engine – 10 or 14 HP Synchro-Balanced Briggs & Stratton cast iron block with 12 volt electric starter.

Transaxle – Peerless with four forward speeds and reverse. Creeper gear – 3/4 MPH at full throttle. Fourth gear 6-1/2 MPH at full throttle. All speeds variable with throttle.

Clutch – Five and one half inch double faced disc clutch.

## ORIENTATION

Your tractor is right hand (R.H.) or left hand (L.H.) as you operate it. Direction of rotation is clockwise (C W) and counterclockwise (C C W) as observed from the operator's position, looking down. (Turning the steering wheel C W would turn the tractor to the right) C W and C C W on the vertical plane would be observed facing the R H side of the tractor.

## CLUTCH–BRAKE PEDAL

This pedal is operated with your left foot. Depress half way down to declutch, depress all the way down to declutch and brake, coming to a complete stop. Always depress the pedal when shifting gears. Release pedal slowly to engage clutch.

## PARKING BRAKE

The brake is located on the low L H side of the tractor. To operate, depress the clutch-brake pedal completely and lock it by turning the parking brake knob C W until it tightens. To release the brake, turn the knob C C W one complete revolution. (see Fig. 5)

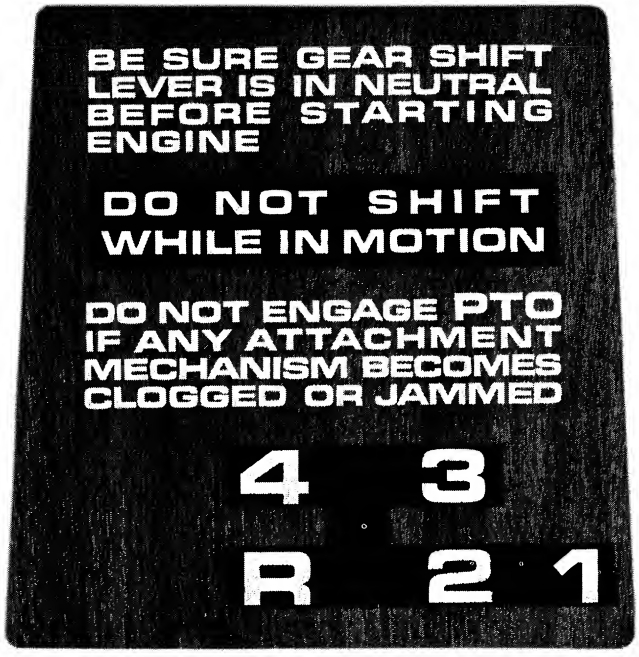



FIG. 4

## GEAR SHIFT LEVER

The selection of the correct gear and throttle setting will be determined by the attachment being used. Generally, anything that uses the tractor engine as a power source should be run at full throttle with the ground speed determined by the gear selection.

A lock is provided to prevent accidently engaging the creeper (1st gear) gear. (see Fig. 4)

## DASH PANEL CONTROLS

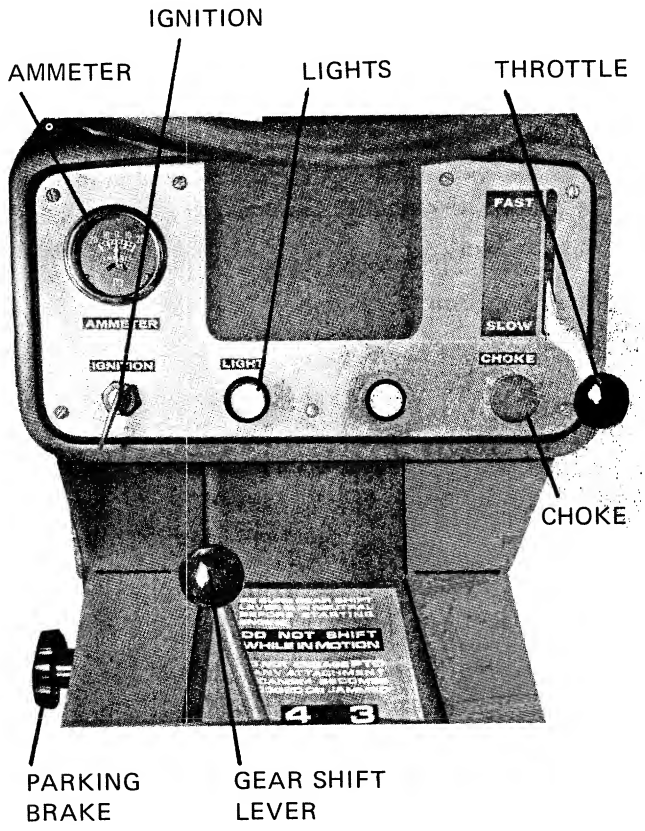



FIG. 5

## LIFT LEVER

The lift lever is used to change the height of the attachments such as the cutting deck, tiller and plow. To operate, depress the thumb button, move to the desired height and release the button.

The plow hitch operates off the lift lever and does not have to be disconnected when attaching the cutting deck or snow blade. (see Fig. 1)

### POWER TAKE OFF (P T O)

There are two PTOs on your tractor. One is located under the frame of the tractor and is to be used for the cutting attachment and rotary tiller. This PTO has a disengagement lever located on the RH side of the tractor. It is shown in the picture in the DIS-engaged position. It should be in this position whenever it is not in use. (see Fig. 6)

The second PTO is used to operate equipment attached to the front of the tractor such as the snow thrower. (see Fig. 1)

### IGNITION SWITCH

Turn key to the right (C W) to engage starting motor on engine. Remove key from switch when tractor is not in use. (see Fig. 5)

### THROTTLE CONTROL

Used to regulate engine speed. Move throttle control up to increase engine speed and down to slow down engine. (see Fig. 5)

### CHOKE

To start engine, pull all the way out. After engine starts, move choke in half way. After engine warms up, move choke in gradually until it is completely in. (see Fig. 5)

### LIGHTS

Pull switch button out to turn on head lights. (see Fig. 5)

### WHEELS

Front . . . . . 16 x 6.50 – 8" High Floation
Rear . . . . . 23 x 8.50 – 12" High Floation
Valve stems are to the inside to accommodate wheel weights for the rear wheels. 100 pound (total weight) wheel weights are available.

### HOOD

Hood pivoted at the front for easy access to engine and clutch. To open, release latches on each side of the hood. (see Fig. 1)

### STEERING ASSEMBLY

Segment and pinion with 2:1 ratio for easy steering. Automotive type adjustable tie rods for toe-in adjustment. Cast iron pivoted front end.

### WHEEL ADJUSTMENT

Each rear wheel can be adjusted out 2" on the axle. Details covered in the adjustment section of this manual. (see Fig. 10)

### TIRE PRESSURE: Front and Rear

Tire pressure for grass cutting is 10 to 12 pounds. For field operation or tilling increase pressure to 15 to 20 pounds.

### AMMETER

The ammeter registers the rate of battery charge or discharge. The ammeter should register on the plus (+) side when the engine is running in the "Fast" position until the battery is completely charged. With a fully charged battery or with the engine idling the ammeter will not show a charge. (see Fig. 5)

### SEAT—TWO PIECE ASSEMBLY (OPTIONAL ON 10 H.P.)

Fully padded for comfort. Back adjustable by loosening hand knob. Seat adjusts back and forward by loosening the large hex nut under the seat and sliding the seat back or forth.

## OPERATING INSTRUCTIONS

### STARTING YOUR ENGINE

To get the feel of your tractor, operate it in a large open space until you become familar with the controls.

1. Be sure you have read the manual to acquaint yourself with the controls.
2. Fill engine with oil and gasoline as outlined on page 3 of this manual.
3. Open fuel shut-off valve located under the gasoline tank.
4. Place gear shift lever in neutral position.
5. Depress clutch-brake pedal and lock into disengaged position with the parking brake.
6. Pull choke out all the way.
7. Place throttle lever in 1/2 throttle position.
8. Turn ignition key (C W) to engage starter. When engine starts, move choke in half way. After engine warms up, move choke in gradually until completely in.

**CAUTION**

Do NOT run starter for more than 30 seconds at a time. If engine does not start after several trys, place throttle control in "fast" position, wait several minutes and try again without moving the throttle lever from the "fast" position.

### STOPPING YOUR ENGINE

Turn ignition key to the left (C C W). Remove key from ignition when tractor is not in use to prevent accidental starting.

Remove spark plug wire from spark plug when tractor is not in use to prevent accidental starting.

### TO OPERATE THE TRACTOR

1. Move throttle control to 1/2 throttle position.
2. Place left foot on clutch-brake pedal and hold down while you release the parking brake.
3. Place the gear shift lever in second gear. (Use a low gear until you get the feel of your tractor.)
4. Slowly let out the clutch-brake pedal until it is completely released.

**NOTE**

When operating attachments such as the cutting unit or tiller that uses the tractor engine as source of power, run the engine at near full or full throttle. Set your ground speed by changing transmission gears.

**CAUTION**

Do not force the gear shift lever if the gears do not immediately mesh. Release the clutch-brake pedal and depress again until it shifts easily.

Do not shift while in motion.

Always release the clutch-brake pedal slowly.

### STOPPING YOUR TRACTOR

Disengage the transmission by depressing the clutch-brake pedal and shifting into neutral.

If you park the tractor, set the parking brake and leave the transmission in gear. Before starting the engine again, place gear shift lever in neutral.

### POWER TAKE OFF (PTO)

The PTO should be in the "OFF" position (Handle Down) when starting the engine and when attachments using the PTO are not on the tractor. If, while using the cutting unit or the rotary tiller, they become clogged and will not operate, shut off the engine AND THE PTO before clearing the attachment.

The PTO engagement lever should be engaged fast to prevent wear on the PTO belts.

The cutting unit and the rotary tiller can be raised or lowered while they are operating under full power. For example, the rotary tiller can be lifted from the ground with the left lever in order to turn the tractor around without shutting off the PTO.

## MAINTENANCE

### BELTS

PTO BELT REMOVAL – To remove the belt: (see Fig. 6)

1. Set the engagement lever in the ENGAGED position.
2. Remove the spring.
3. Remove the belt guard on the PTO by removing 2 bolts and lock-washers.
4. Remove hex bolts (Ref. No. 151) and lock washers (Ref. No. 239).
5. Remove hex nut (Ref. No. 191) and lock washer (Ref. No. 246) and hex bolt (Ref. No. 282).
6. Push the entire clutch back as far as it will go by hand and remove the belt between the yoke and clutch.
7. ALWAYS replace both belts at the same time.

**NOTE**

If the lower belt guard is too far away from the PTO belts it will not "trap-out" the belt on the yoke and the belts will continue to rotate slowly. Adjust the belt guard for minimum clearance (not touching) when the PTO handle is in the engaged position.

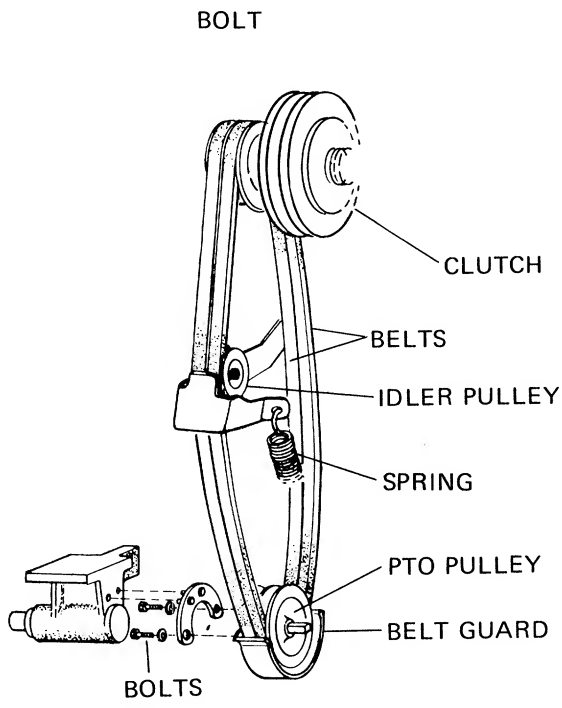



FIG. 6

TRANSMISSION BELT:

Adjustment – The tension of the belt is increased by UNSCREWING the leveler screw until you obtain a 1/2" deflection on the belt when you apply 10 pounds of force midway between the transmission pulley and the pulley. Lock leveler in place by tightening the lock nut.

Removal – Screw the leveler screw all the way in until the idler is loose and remove the belt. (see Fig. 8)

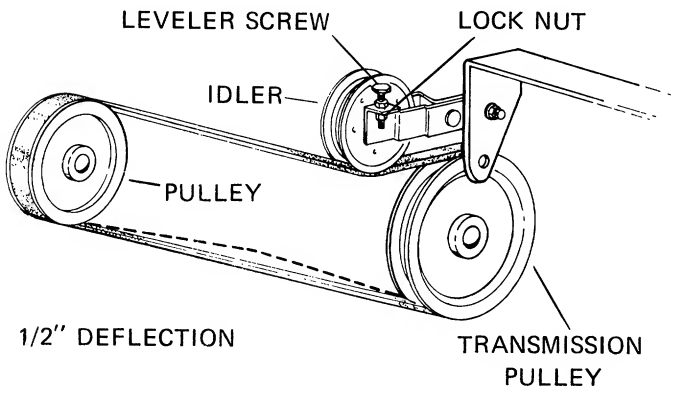



FIG. 8

POWER TAKE OFF (PTO) (see Fig. 7)

Adjustment – If the PTO creeps when it is in the disengaged position the belt should be adjusted. To adjust:

1. Set the engagement lever in the ENGAGED position.
2. Remove the cotter-pin on the PTO adjusting rod.
3. Remove the rod from the bracket and unscrew it 3 complete turns and insert back into the bracket.
4. Replace the cotter-pin.

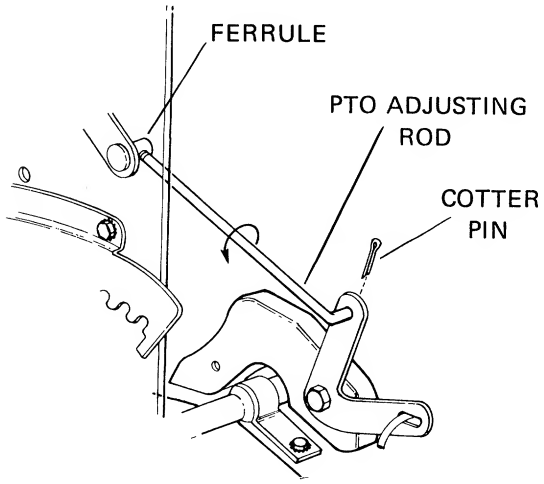



FIG. 7

STARTER–GENERATOR BELT

If the starter-generator turns over and the engine does not turn over or there is a high pitched squeel when the starter-generator is turned on, it is an indication of a loose belt.

Adjustment – To tighten, loosen the bolt in the bracket slightly, loosen the bolt in the adjusting strap and swing the starter-generator away from the engine until the belt is tight. (Belt should deflect 1/4" when depressed with your thumb.) Tighten all bolts. (see Fig. 9)

Removal – Follow same procedure as above except when the bolts on the bracket and adjusting strap are loose, swing the starter-generator towards the engine until the old belt can be removed and replaced. Follow the above procedure for tightening the new bolt. (sed Fig. 9)

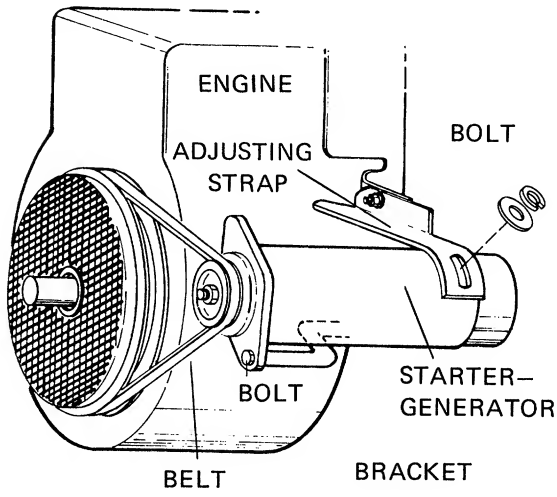



FIG. 9

**WHEEL TREAD ADJUSTMENT**

The tread on the rear wheels is adjustable from 29" to 35" by loosening the hex nut on the rear hub and sliding the hub out. Do not extend the hub beyond the 3 inches. Tighten the hex nut. Both wheels should be in the same relative position on the axle. (see Fig. 10)

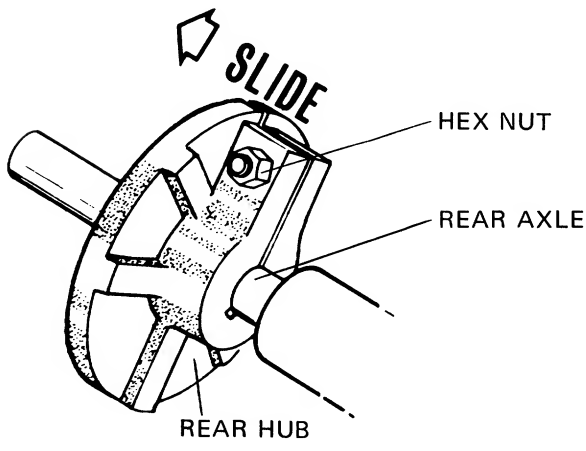



FIG. 10

## LIFT LEVER LOCKOUT

The lift lever can be locked out so it is free floating and the rachet does not engage. This is done by depressing the thumb button on top of the lift lever and moving the lock-out in the direction of the arrow. (see Fig. 11)

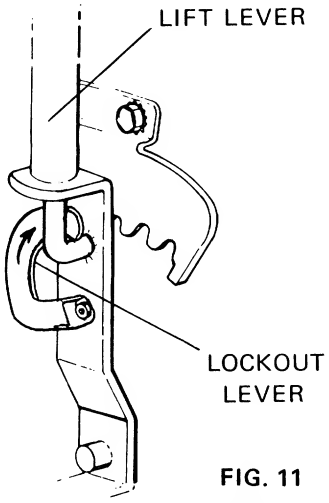



FIG. 11

## CLUTCH AND BRAKE ADJUSTMENT

The clutch and brake should always be adjusted at the same time. To adjust:

1. Loosen the elastic stop nut until the chain is slack.
2. Tighten the elastic stop nut until the SLACK is out of the chain and there is 1/32 free play between yoke and bearing when clutch is engaged. Bearing should be free to rotate with shaft.
3. Depress the clutch brake pedal all the way and check the distance between the pressure plate and the clutch disc.
4. The distance should be approximately 1/16 of an inch.

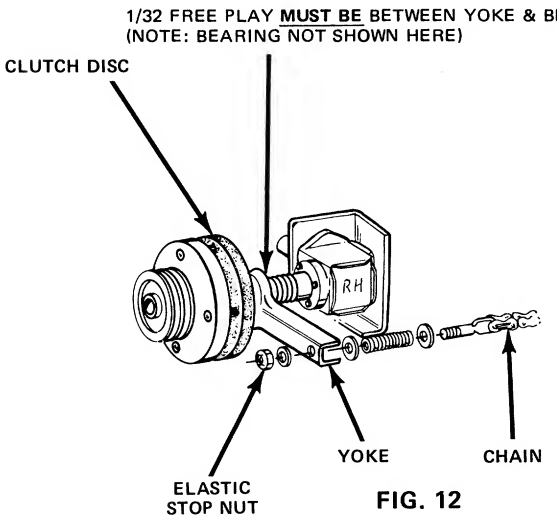



FIG. 12

**FINE BRAKE ADJUSTMENT** – Remove hair pin (C). Turn the castle nut (B) clockwise to tighten one quarter revolution and check brakes. Repeat as necessary to have proper braking power. Replace hair pin (C). (See Fig. 13).

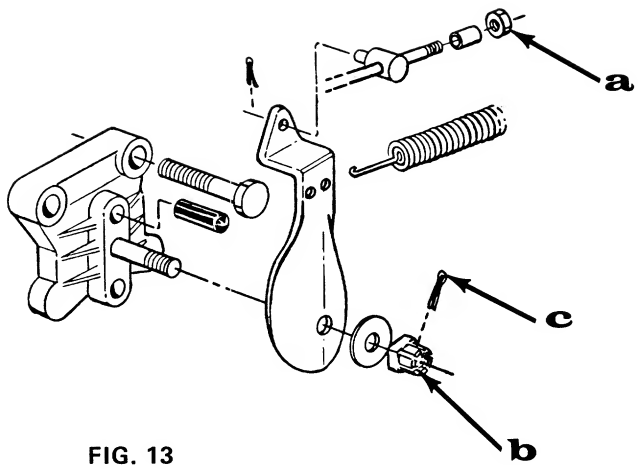



FIG. 13

**PEDAL ADJUSTMENT** – To take up the adjustment on the brake linkage, tighten or loosen the hex nut (A) on brake linkage. (See Fig. 13).

## THREE POINT HITCH ASSEMBLY INSTRUCTIONS

**NOTE**

Mowing unit must not be on tractor. If so remove mowing unit before assembly of hitch kit.

1. Assemble the lift pull rod assembly (Ref. No. 70) to lift handle assembly (Ref. No. 58) on the right hand side, with clevis pin (Ref. No. 220), flat washer (Ref. No. 264) and hairpin cotter (Ref. No. 199). Assemble the second lift pull rod assembly (Ref. No. 70) to lift arm assembly (Ref. No. 136) on the left hand side, with clevis pin (Ref. No. 220), flat washer (Ref. No. 264) and hairpin cotter (Ref. No. 199).
2. Thread adjustment clevis assembly (Ref. No. 138) on end of pull rod assembly (Ref. No. 70).
3. Move lift lever to full engaged position.
4. Assemble link clevis pins (Ref. No. 226) to frame with lockwashers (Ref. No. 287) and hex nuts (Ref. No. 94). (See Drawing on Page 20).
5. Assemble draft bar assembly—R.H. (Ref. No. 227) to frame & clevis pin (Ref. No. 226) with hairpin cotter (Ref. No. 199). Do the same on the left hand side.
6. Pull the lift pull rods (Ref. No. 70) to the rear of the tractor and line up holes in pull rod and draft bar assembly. Insert clevis pin (Ref. No. 222) and secure with flat washer (Ref. No. 264) and hairpin cotter (Ref. No. 199).
7. Place upper hitch bracket (Ref. No. 224) against rear frame section of tractor, secure in position with spring lockwasher (Ref. No. 285) and hex bolt (Ref. No. 286).
8. Place clevis screw assembly (Ref. No. 223) in upper hitch bracket (Ref. No. 224) secure with clevis pin (Ref. No. 225) and hairpin cotter (Ref. No. 199).
9. Thread on adjustment clevis ass'y. (Ref. No. 138).
10. Place draw bar assembly (Ref. No. 69) between draft bars and secure with hairpin cotter (Ref. No. 199).
11. Assembly hitch chain hooks (Ref. No. 289) to draft bar ass'y, (Ref. No. 227) & (Ref. No. 290). Secure with hex nuts (Ref. No. 288).

## TIE ROD ADJUSTMENT (Toe-In)

The caster (forward slant of the kingpin) and the camber (tilt of the wheels out at the top) requires no adjustment. Automotive steering principles have been used to determine the caster and camber on the tractor.

The front wheels should be toe-in 1/8". To adjust the toe-in, loosen the hex jam nut, remove the elastic locknut, lift the tie rod end out of the hole in the steering arm and screw the tie-rod end in or out to make your adjustment. The distance "B" must be less than "A" by 1/8". (see Figs. 15 & 16)

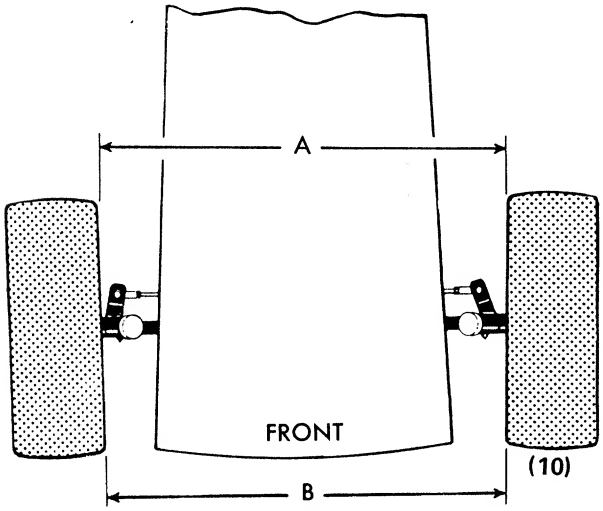



FIG. 15

TIE–ROD END

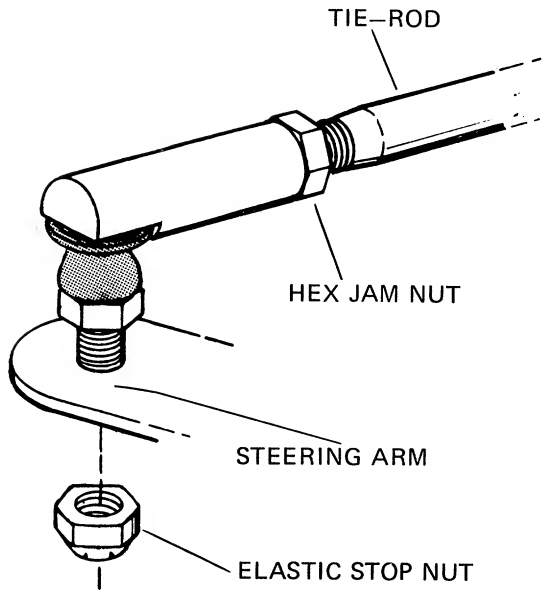



FIG. 16

## BATTERY CARE

Battery Failure – Many times new batteries are returned for charging within a few days or a week after sale. Before returning the battery to the dealer who sold you the tractor, make these following checks.

1. Was the battery fully charged when installed? The dry-pack battery should have been placed on a charger and the specific gravity of the battery should read 1.265 to 1.275 before it was installed in the tractor.

2. Were the battery terminals clean, greased and properly tightened when the battery was installed?

3. Batteries are usually involved in ANY starting failure, however, insufficient hours of driving, worn cables, trouble in the electrical system, corroded connections, slipping drive belt can cause a battery to become discharged *without* the battery being a fault.

## SERVICING YOUR BATTERY

It is all right to use drinking water in your battery, excluding mineral water.

Adding water to a battery cell will lower the specific gravity of the electrolyte. Water should not be added unless the tractor is going to be run immediately during freezing weather.

Maintain electrolyte level in the battery to the level indicated on the top of the battery.

Keep the terminals clean and coated with grease.

## BATTERY STORAGE

If your tractor is to be stored during an off-season, the battery should be removed from the tractor, placed on a charger until the specific gravity reads 1.265 to 1.275 and stored at approximately 72°F. Batteries should not be placed directly on cement as this will drain the battery. Recharge to bring the specific gravity to normal before placing it in the tractor after storage.

## ENGINE REMOVAL

If the engine is removed from the tractor the following steps should be followed for the removal and installation of the engine.

### REMOVAL

1. Follow the steps to remove the Power Take Off belts shown in Fig. 6.
2. Remove the four engine bolts holding the engine to the frame of the tractor.
3. Remove the hood brace from the front grille to the dash board.
4. Remove the three wires to the starter-generator (red wire to the L.H. terminal and small black wire and large black wire to the R.H. terminal).
5. Shut off the gas valve and disconnect the gas hose.
6. Disconnect the throttle and choke wires to the engine.
7. Lift out the engine.

### INSTALLATION

1. Set the engine in position and tighten the four engine bolts finger tight.
2. Attach the Power Take Off belts. (see Fig. 6)
3. Attach hood brace and wiring.
4. Attach choke and throttle wires to engine.
5. Attach gas line and open valve.
6. Tighten engine bolts.

## BRAKE ASSEMBLY

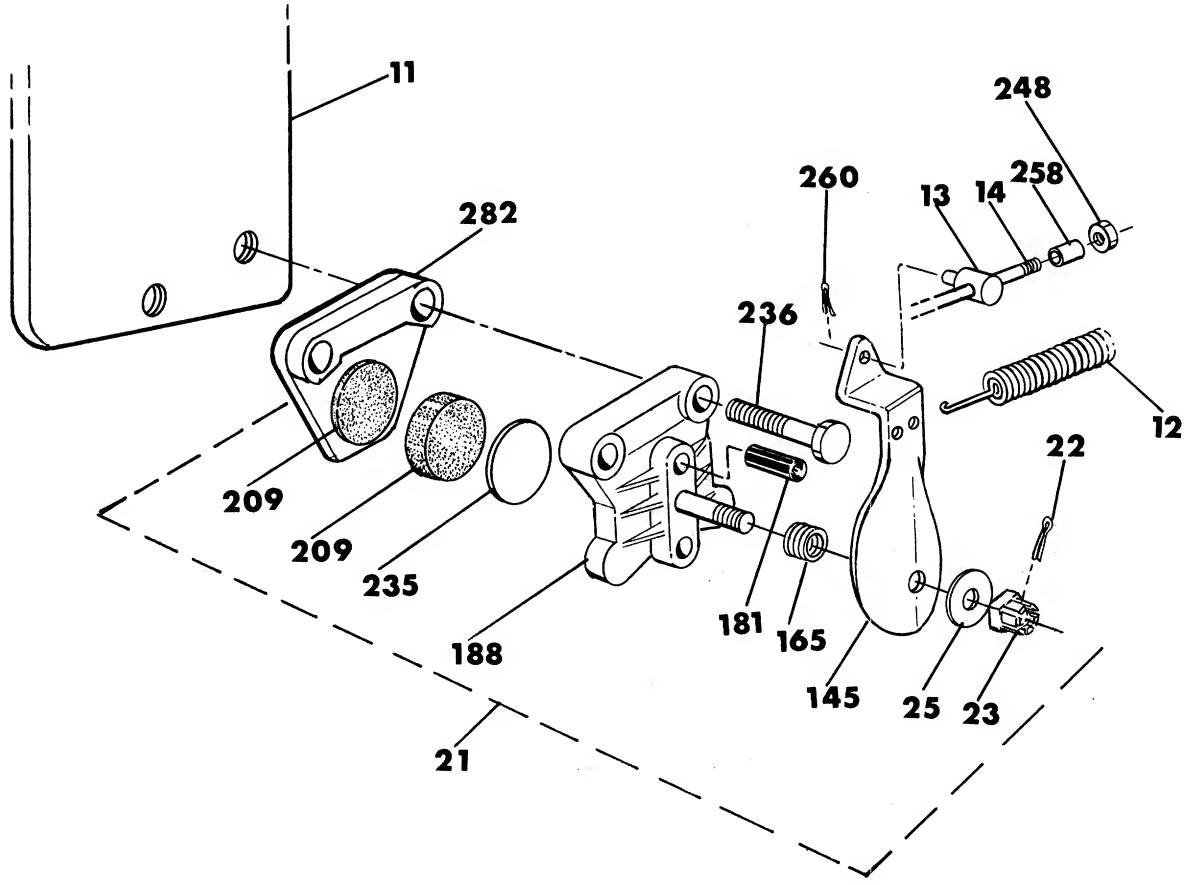



Fig. 17

## CLUTCH REPAIR (Refer to Page 11)

Any repair of the Clutch, Throw Out Assembly, or Right Angle Drive requires removal of the complete assembly from the tractor.

1. Lossen the screw on the Belt Idler Bracket Assembly. Remove the Belt. (Refer to Page 11)
2. Remove the Elastic Stop Nut and Washer on the Clutch Adjustment Rod.
3. Remove the Elastic Stop Nut and Washer on the Clutch Yoke.
4. Four Cap Screws hold the Right Angle Drive Bracket to the Frame. Remove these four screws.
5. Move back the Right Angle Drive and Clutch approximately ¼ inch. Remove entire Assembly from the Tractor.
6. Put Clutch Unit and Right Angle Drive in a vise.
7. Place "C" Clamps over Outer Disc Assembly and bottom of Right Angle Drive mounting plate as shown in Fig. 18.
8. Drive out Spirol Pin, and slowly release "C" Clamps to relieve spring pressure.
9. Removal of the second Spirol Pin will free the other parts for inspection or replacement.

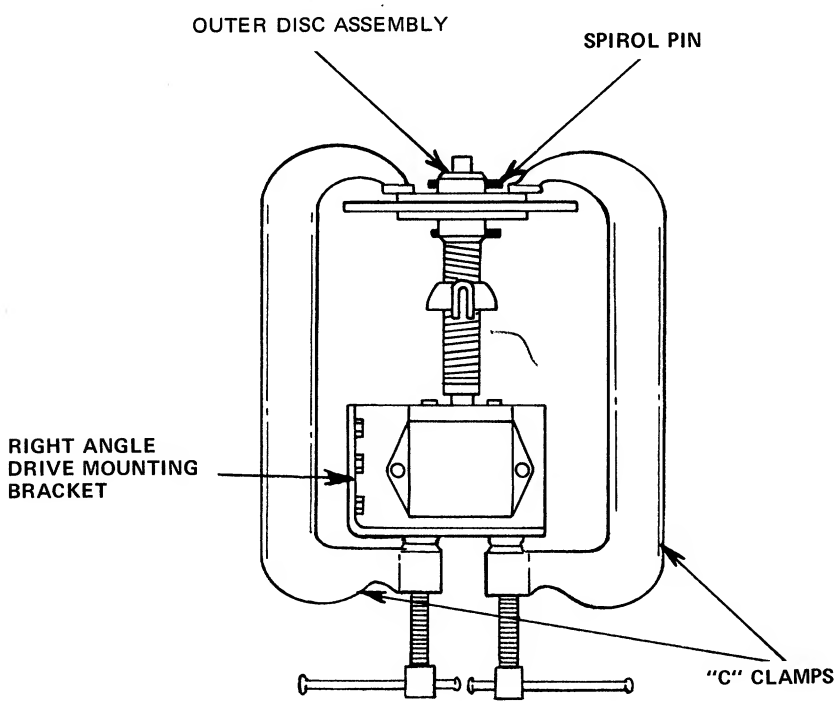



FIG. 18

## CLUTCH INSTALLATION

1. To reassemble the Clutch Assembly, reverse preceding instructions.
2. Mount Clutch Assembly in Tractor. Assemble the Clutch Yoke to the Pivot Bracket and fasten with Shoulder Bolt, Washer and Elastic Stop Nut. Tighten Elastic Stop Nut and then back off one half turn. Clutch Yoke should then move freely.
3. When fastening Right Angle Drive Bracket to Frame, position to obtain correct Spring clearance on Clutch Yoke. Spring should be centrally located in Clutch Yoke, free from all contact with the formed edge. It should remain this way in either Engaged or Disengaged position and with the Engine running.
4. Install the Belt and unscrew the Leveler Screw until you obtain a ½" deflection on the Belt when you apply a 10 pound force midway between the Transaxle Pulley and the Right Angle Drive Pulley.
5. Adjust the Clutch and Brake as shown on Page 9 of this manual

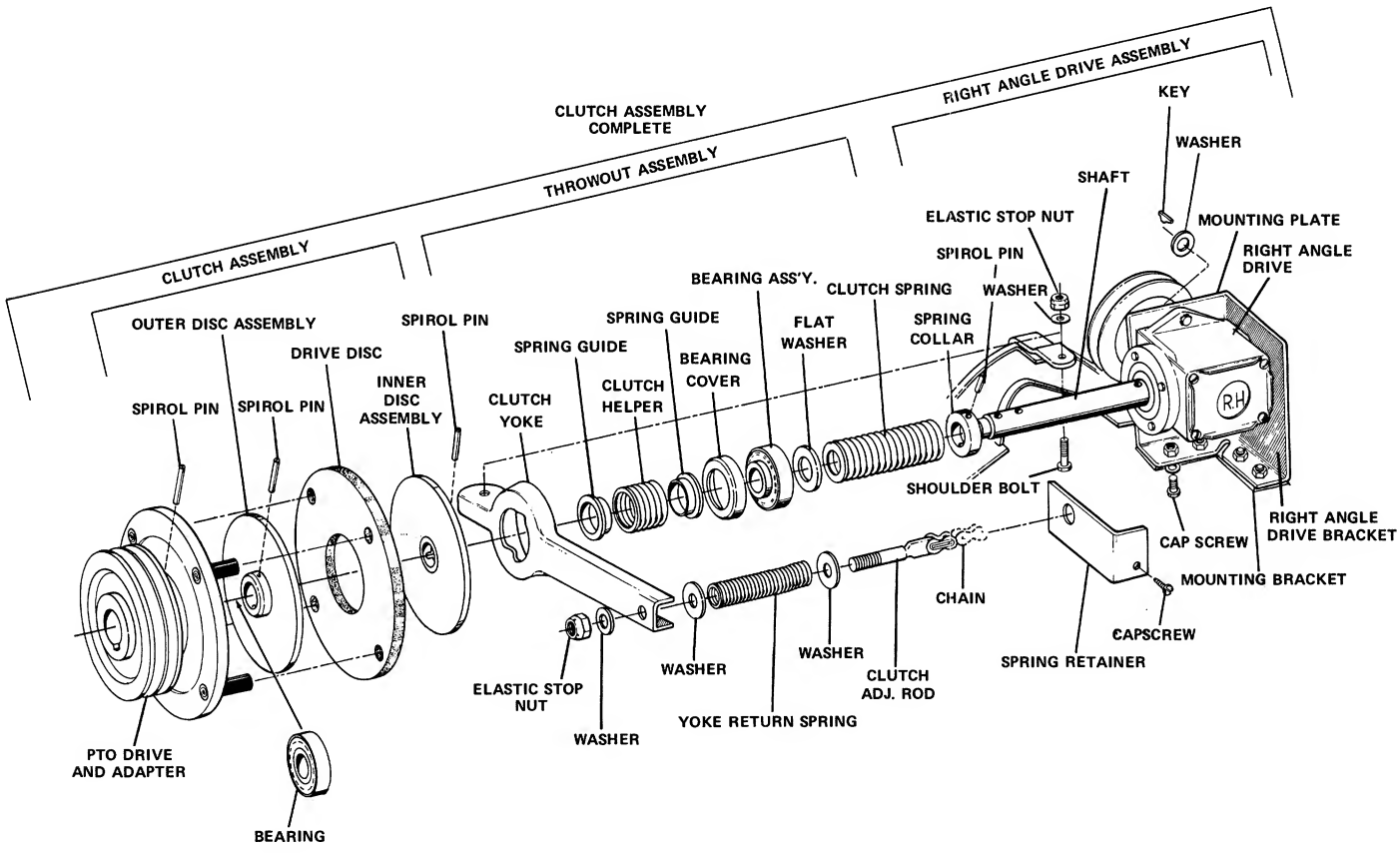



FIG. 19

## LUBRICATION

Your tractor has been engineered to give you years of trouble-free service, however, by following these simple lubrication procedures, you can greatly extend the life of your tractor.

| Ref. No. | LUBRICATION CHART (SEE FIG. 23-27) | 25 Hours | 50 Hours | Once a Season |
|---|---|---|---|---|
| 1 | Engine – Oil Recommendations. * Winter (Below 40°F) SAE 5W-20 Summer (Above 40°F) SAE 30 | x | | |
| 2 | Transaxle – Lubricated with 4 pints of SAE E.P. 90 oil. Refill if below upper plug level. | | x | |
| 3 | Right Angle Drive – Lubricated with 6 oz. of E.P.G. Lithium Grease. | | | # |
| | GREASE FITTINGS ( ) No. of Fittings Use automotive multi-purpose grease | | | |
| 4 | Pivot Bolt (1) | x | | |
| 5 | Wheel Bearings (2) | x | | |
| 6 | King Pins (2) | x | | |
| 7 | Deck Pivot Bar (2) | x | | |
| 8 | Steering Arm (1) | x | | |
| 9 | Clutch (1) + | x | | |
| 10 | Power Take Off (1) | x | | |
| | APPLY GREASE Use automotive multi-purpose grease | | | |
| 11 | Steering and Segment Gears | | | x |
| 12 | Power Take Off Idler Brkt. | | | x |
| 13 | Power Take Off Lever | | | x |
| | OIL THESE PARTS Use Engine Oil | | | |
| 14 | Lift Lever | x | | |
| 15 | Chain (on Clutch not shown) | x | | |
| 16 | Plow Hitch | x | | |
| 17 | Clutch Pivot Point | x | | |

Oil all other pivot points once a season.

* Change oil after the first five hours of operation and every 25 hours thereafter. Use any high quality detergent. oil.

+ To lubricate the clutch, rotate the clutch housing until you can see the grease fitting. Depress the clutch-brake pedal and set the parking brake.

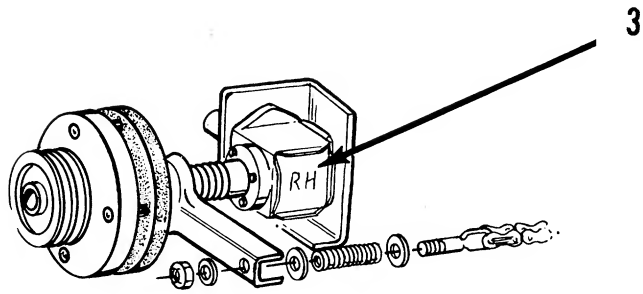
Lubricate with 3 squirts (1/2 oz.) of grease with the grease gun provided with your tractor or the equivalent. DO NOT OVER-LUBRICATE. Too much grease will go beyond the bearing and on to the face of the clutch.

# Check lubricant level only if the drive train is removed from the tractor for repair or if grease leaks from the right angle drive. Remove the four screws holding the cover and fill with E.P.G. Lithium grease so it just covers the spline shaft (6 oz.) See figures 17 and 20.

The following parts are sealed and require no further lubrication:

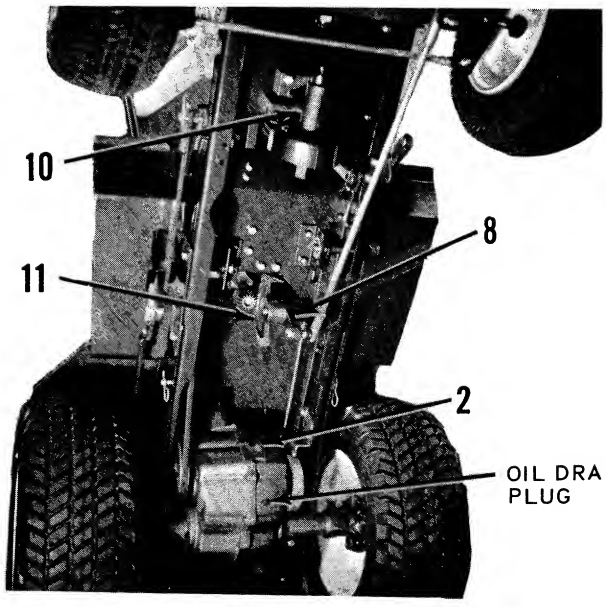
Idler Bearings:
Power Take Off
Transaxle Belt

Tie Rod and Drag Link Ends




CLUTCH

**FIG. 20**




BOTTOM OF TRACTOR

**FIG. 21**

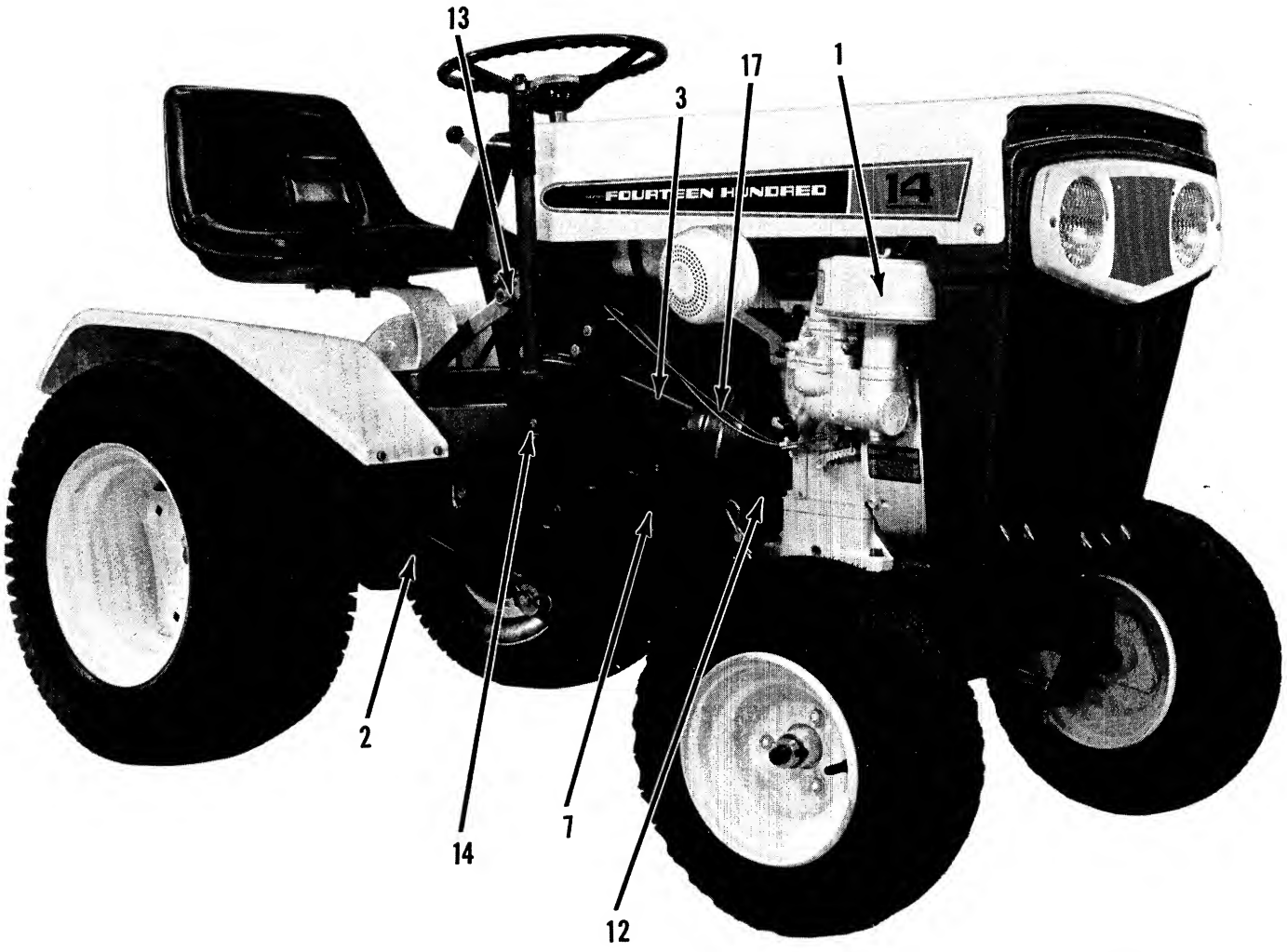



FIG. 22

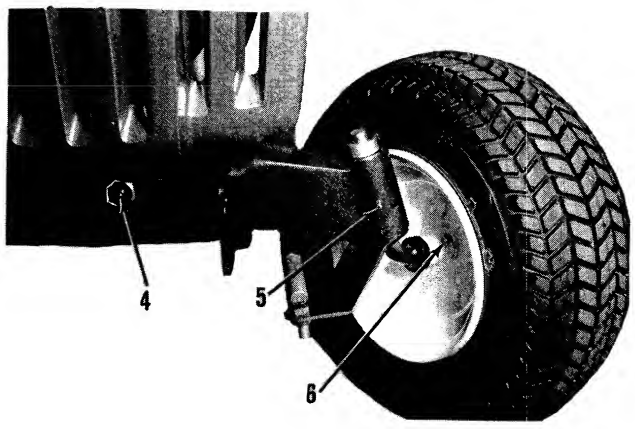



FIG. 23

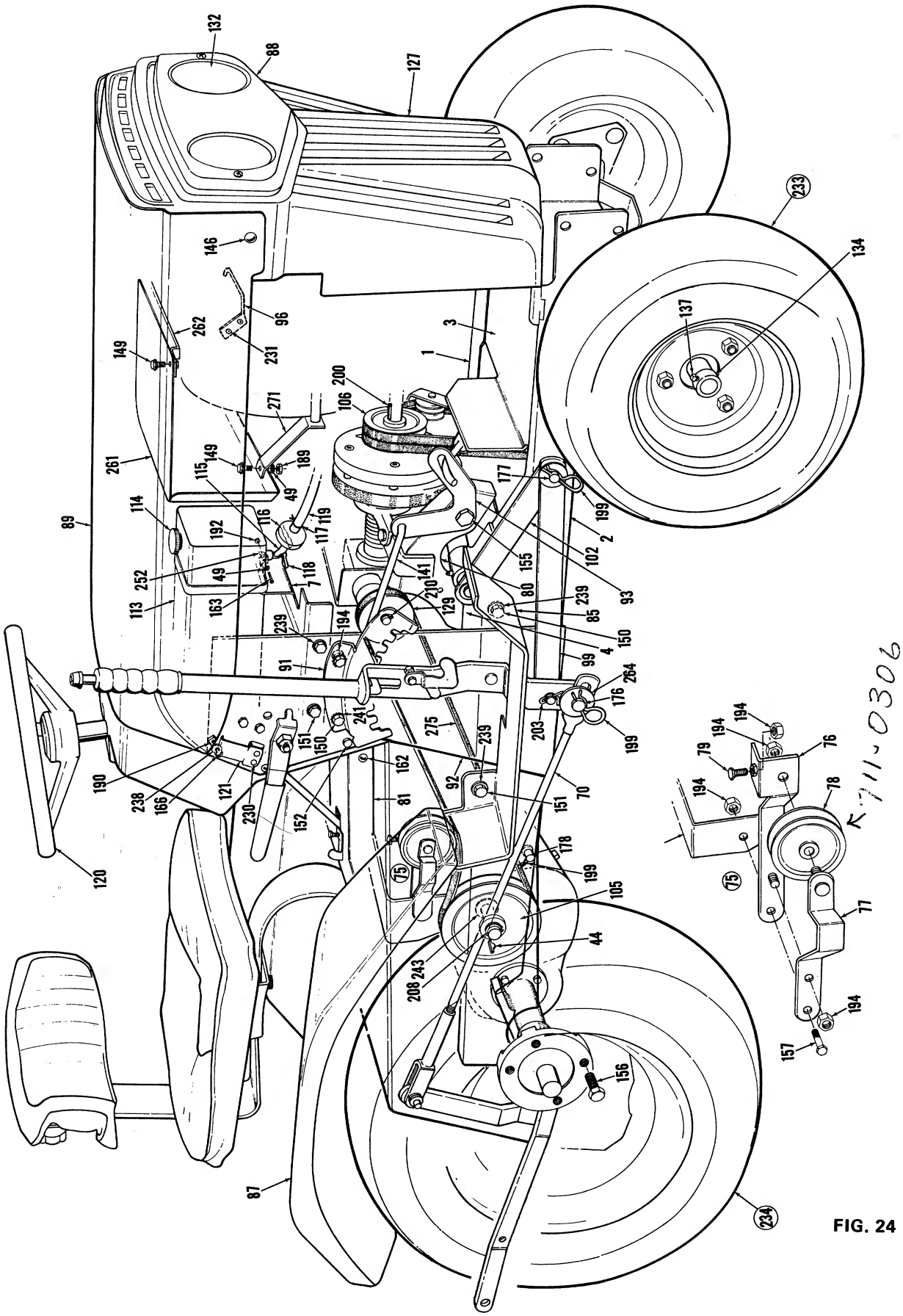



FIG. 24

## L.H. FULL VIEW

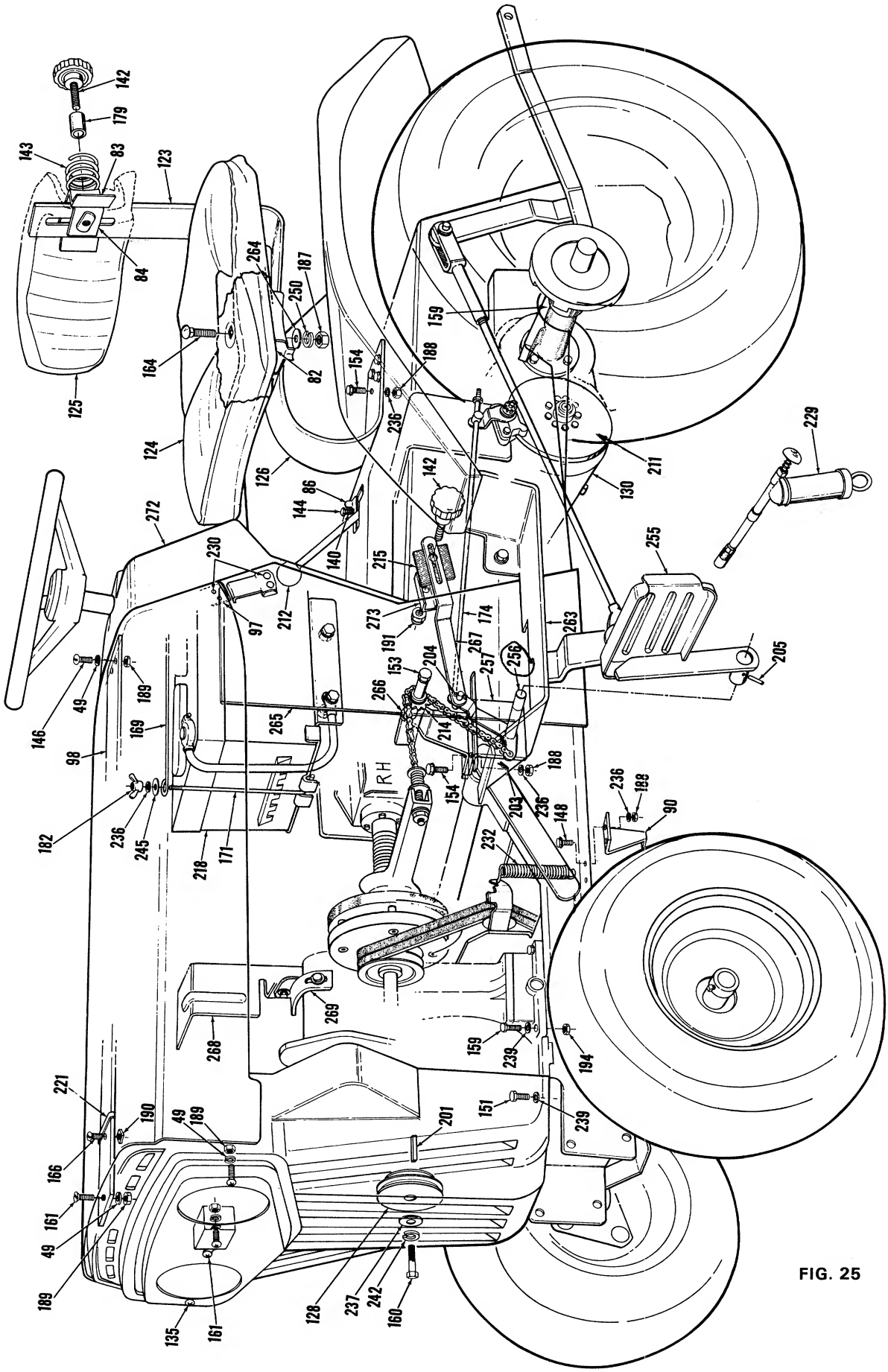



FIG. 25

## STEERING ASSEMBLY

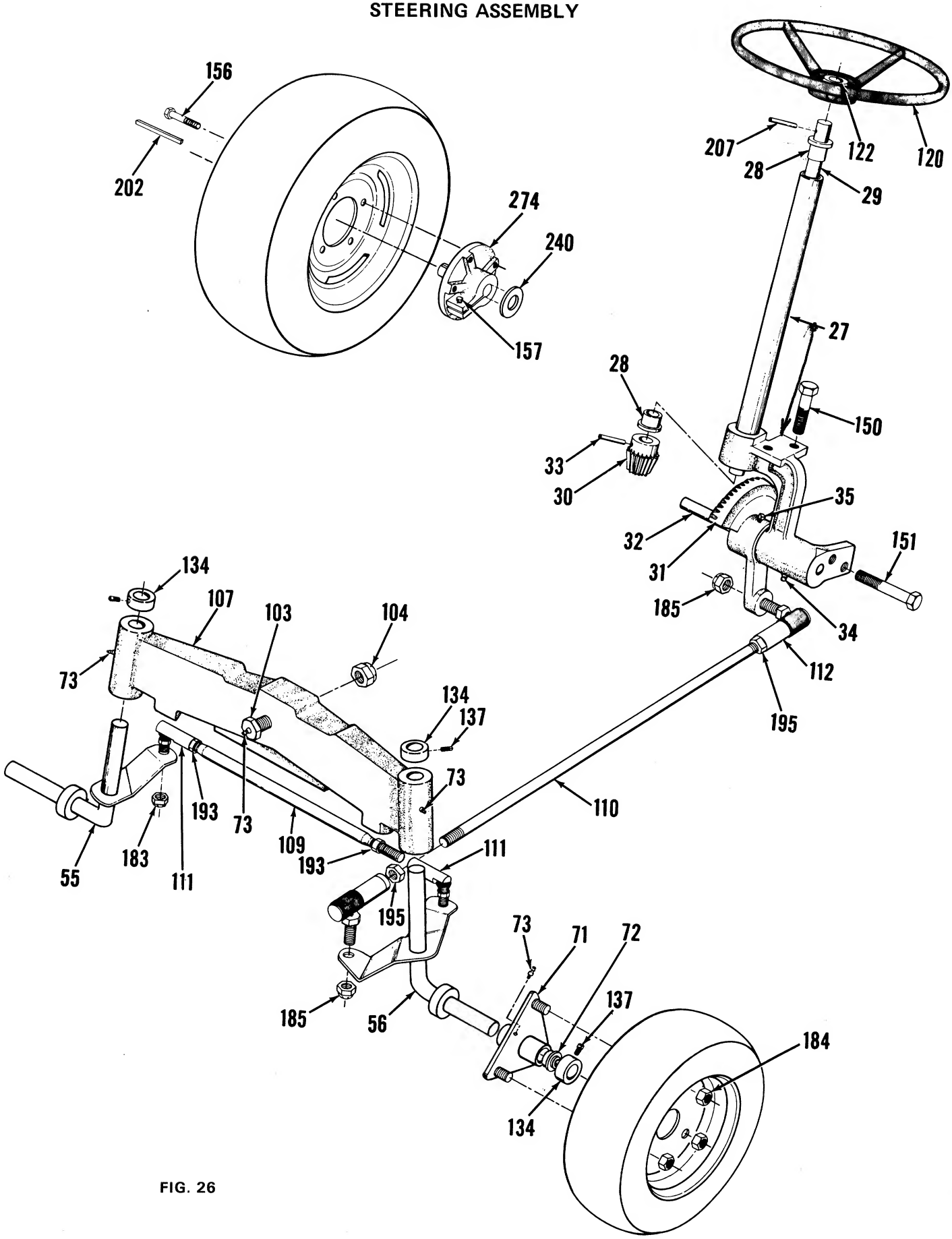



FIG. 26

# LIFT LEVER & PLOW HITCH

**NOTE:** Three Point Hitch Comes on 14 H.P. Tractor. It is optional on the 10 and 12 H.P. Tractors.

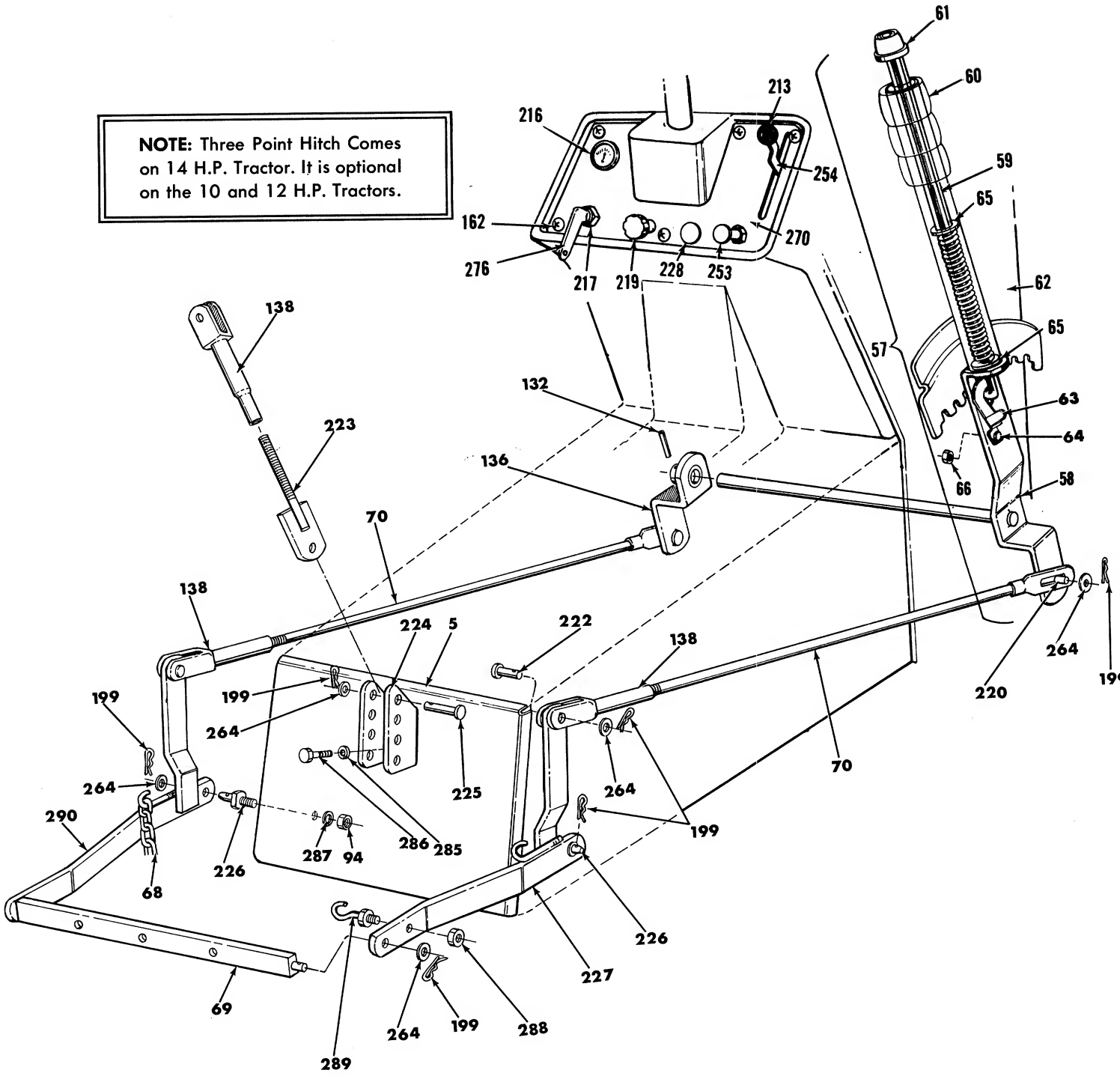



FIG. 27

# POWER TAKE OFF

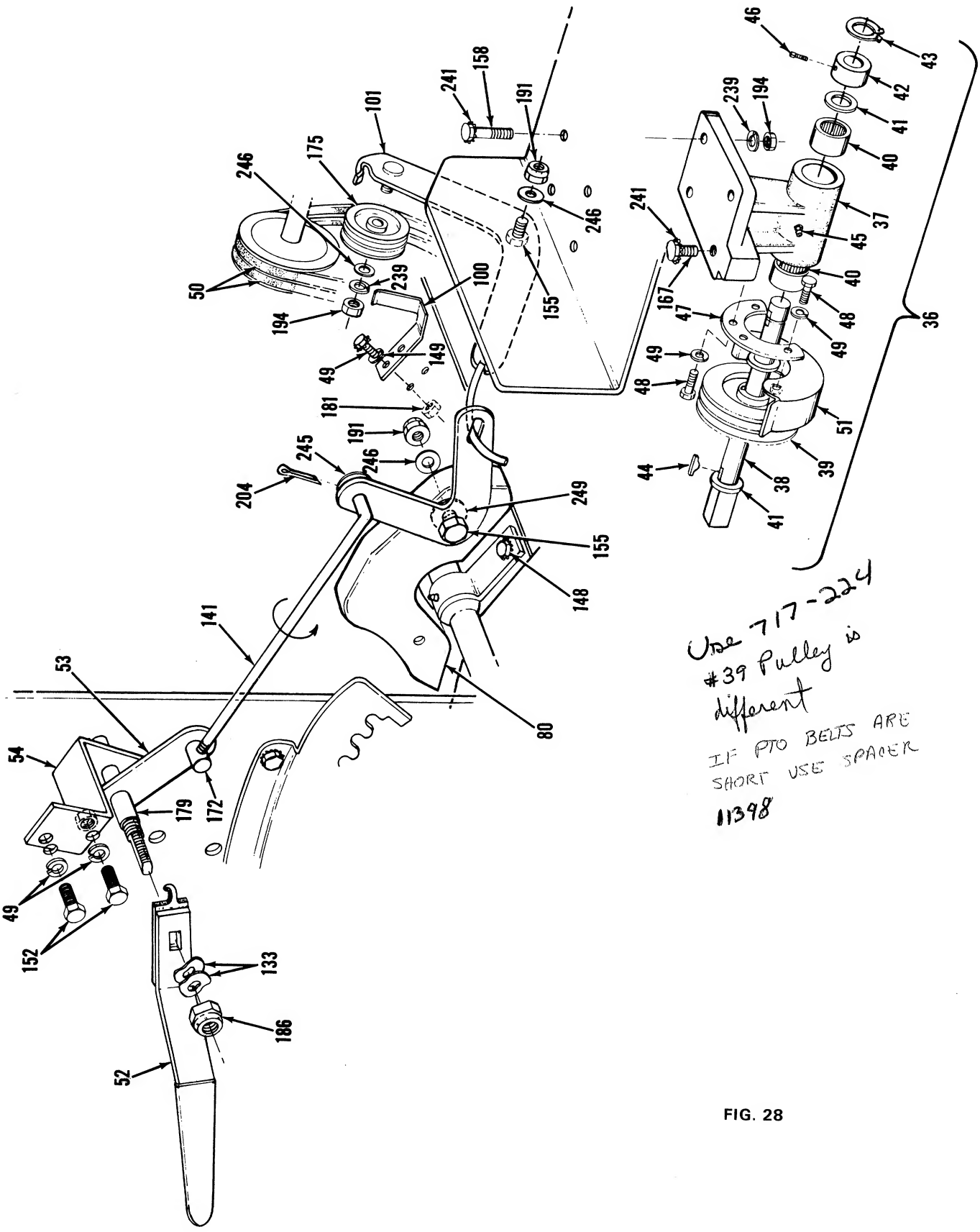



FIG. 28

# CLUTCH

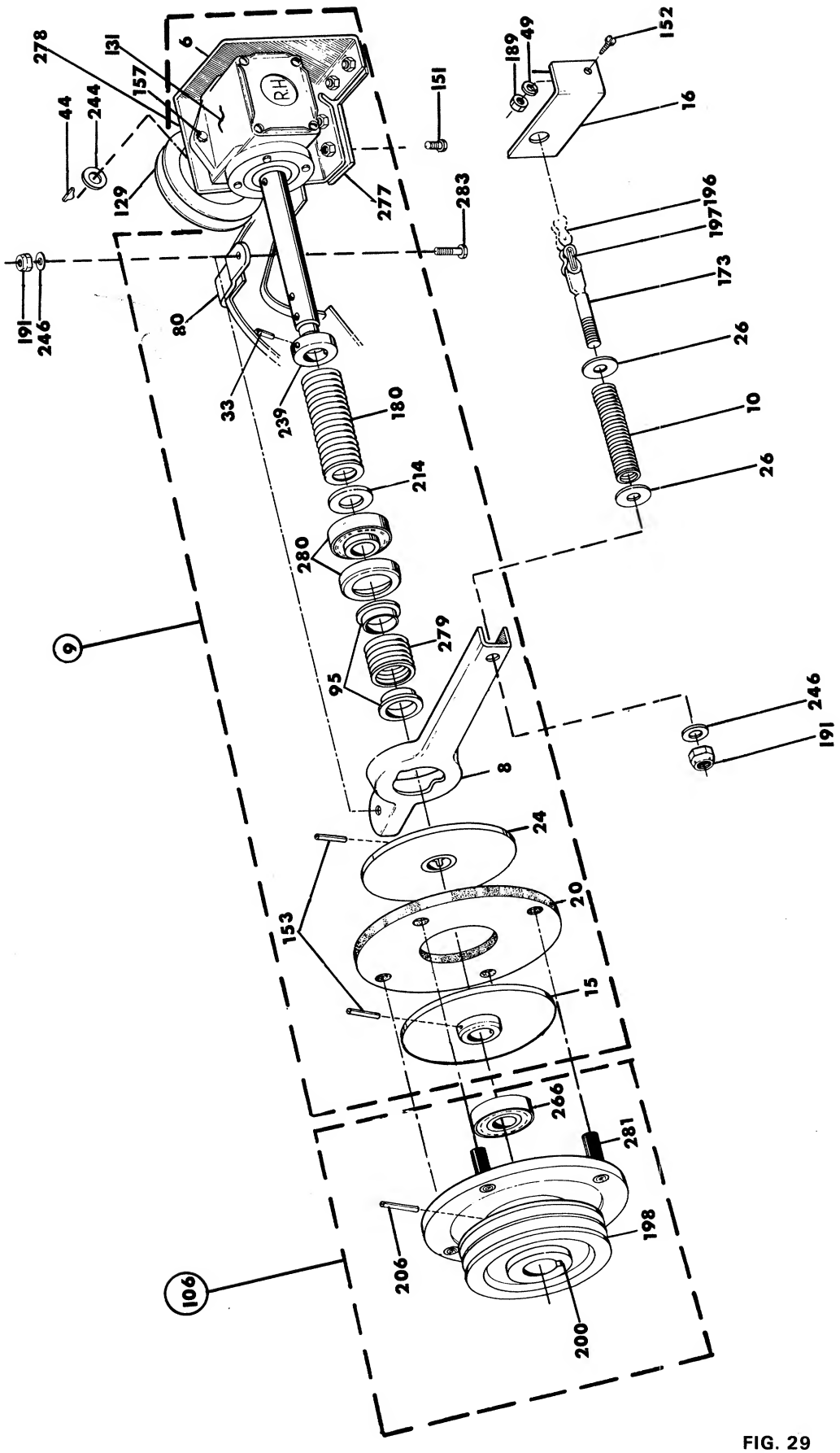



FIG. 29

## DIAGRAM FOR ELECTRICAL SYSTEM

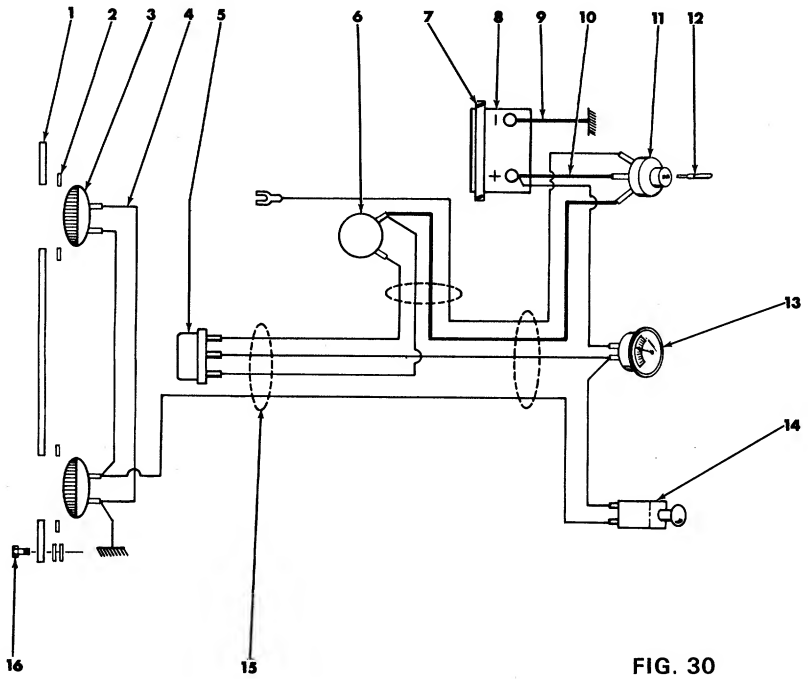



FIG. 30

## PARTS LIST FOR ELECTRICAL SYSTEM

| Ref. No. | | DESCRIPTION |
|---|---|---|
| 1 | 394-9516 | Head Lamp Bezel |
| 2 | 721-112 | Gasket |
| 3 | 725-222 | Head Lamp |
| 4 | 725-204 | 13"—Head Lamp Ground Wire 18 Ga. Black |
| 5 | 725-120 | Voltage Regulator |
| 6 | 725-144 | Starter—Generator |
| 7 | 711-278 | Battery Hold Down Rod |
| | 712-113 | Wing Nut |
| | 736-264 | Flat Washer |
| | 711-284 | Battery Hold Down Stud |
| 8 | 725-130 | Battery—12 Volt |
| 9 | 725-139 | 16-3/4"—Battery to Ground Wire 6 Ga. Red |
| 10 | 725-138 | 20"—Wire from battery to starter—sw. to ammeter 18 Ga. Red |
| 11 | 725-199 | Starter Switch—Key operated |
| 12 | 725-201 | Starter Key |
| 13 | 725-119 | Ammeter |
| 14 | 725-202 | Head Lamp Switch |
| 15 | 725-205 | Wire Harness |
| 16 | 710-346 | Hex Head Cap Screw 1/4-20 x 1-1/2* lg. |
| | 736-329 | Spring Lockwasher 1/4" Screw* |
| | 712-287 | Hex Nut 1/4-20 Thd. |

*Common Hardware, purchase locally.

# PARTS LIST FOR 141-760, 860 AND 960 TRACTORS

| Ref. No. | Part Number | DESCRIPTION |
|---|---|---|
| 1. | 438-10384 | Frame - Rail Assembly - L. H. |
| 2. | 438-9402 | Frame - Rail Assembly - R. H. |
| 3. | 438-9511 | Frame - Front Assembly |
| 4. | 438-9403 | Gear Box Mount Assembly |
| 5. | 438-9406 | Frame - Plate Assembly - Rear |
| 6. | 438-9410 | Gear Box Mounting Bracket Assembly |
| 7. | 438-9412 | Gas Tank & Bat. Mount. Bracket Assembly |
| 8. | 310-10453 | Clutch Yoke |
| 9. | 901-10458 | Clutch Assy. w/Rt. Angle Drive |
| 10. | 732-207 | Yoke Return Spring |
| 11. | 438-10385 | Transaxle Mounting Brk. Assy. |
| 12. | 732-202 | Brake Tension Spring |
| 13. | 711-432 | Brake Ferrule |
| 14. | 711-292 | Brake Rod |
| 15. | 310-10443 | Disc Assembly - Clutch |
| 16. | 438-10463 | Spring Retainer |
| 17. | 310-9498 | Bearing Retaining Ring |
| 18. | 710-473 | Truss Hd. Machine Screw #10-24 x 1/2 lg.* |
| 19. | 736-147 | External Lockwasher #10 Screw* |
| 20. | 717-160 | Drive Disc - Clutch |
| 21. | 723-231 | Caliper Disc Brake Assembly |
| 22. | 05-1862-0000 | Pin Cotter |
| 23. | 02-1011-0000 | Nut, Castle |
| 24. | 310-10444 | Disc Assembly — Clutch |
| 25. | 03-1030-0000 | Washer, Thrust 5/16" |
| 26. | 736-112 | Belleville Washer |
| 27. | 438-9517 | Steering Tube Seg. Assembly |
| 28. | 748-157 | Steering Tube Bushing |
| 29. | 310-9535 | Steering Rod |
| 30. | 719-121 | Pinion Gear |
| 31. | 719-122 | Gear Segment |
| 32. | 310-9563 | Gear Segment Shaft |
| 33. | 715-101 | Roll Pin 1/4 x 1-1/2 lg. |
| 34. | 737-479 | Grease Fitting |
| 35. | 710-349 | Square Hd. Set Screw 5/16-18 x 3/4 lg.* |
| 36. | 901-9578 | PTO Shaft Assembly - Complete |
| 37. | 719-134 | PTO Shaft Housing |
| 38. | 711-298 | PTO Shaft |
| 39. | 719-130 | PTO Drive Pulley |
| 40. | 741-123 | Needle Bearings 3/4 I.D. x 1.187 O.D. |
| 41. | 741-151 | Thrust Race |
| 41. | 741-150 | Thrust Bearing |
| 42. | 711-139 | Collar |
| 43. | 716-110 | Snap Ring |
| 44. | 714-314 | Key - Hi Pro #606 |
| 45. | 737-109 | Grease Fitting 1/4-28 x 11/16 Thd. |
| 46. | 710-356 | Sq. Hd. Cut. Pt. Set Screw 5/16-18 x 1/2 lg.* |
| 47. | 438-9496 | PTO Mounting Bracket |
| 48. | 710-289 | Hex Head Screw 1/4-20 x 1/2 lg. |
| 49. | 736-329 | Spring Lockwasher 1/4 Screw* |
| 50. | 754-123 | PTO Belt 33" lg.+ |
| 51. | 438-9494 | PTO Belt Guard Assembly |
| 52. | 310-9439 | PTO Handle |
| 53. | 438-10688 | PTO Handle Shaft Assembly |
| 54. | 402-10690 | Handle Support Assembly |
| 55. | 438-9422 | Axle Assembly - Front - R. H. |
| 56. | 438-9423 | Axle Assembly - Front L. H. |
| 57. | 901-9466 | Lift Handle Assembly Complete |
| 58. | 438-9467 | Lift Handle Assembly |
| 59. | 438-9470 | Handle Spacer Tube |
| 60. | 305-8818 | Handle Grip |
| 61. | 726-110 | Push Cap |
| 62. | 732-156 | Compression Spring |
| 63. | 438-9448 | Lift Handle Lockout |
| 64. | 710-252 | Hex Hd. Cap Screw 1/4-20 x 3/4 lg.* |
| 65. | 736-185 | Flat Washer* |
| 66. | 712-107 | Hex Locknut 1/4-20 Thd.* |
| 68. | 713-148 | Chain |
| 69. | 438-10996 | Draw Bar Ass'y. |
| 70. | 438-10923 | Lift Pull Rod Ass'y. |
| 71. | 438-10457 | Front Hub Assembly |
| 72. | 741-141 | Ball Bearing |
| 73. | 737-108 | Grease Fitting |
| 75. | 438-9583 | Idler Bracket Assembly Complete |
| 76. | 438-9446 | Left Half Bracket Assembly |
| 77. | 438-10116 | Right Half Bracket |
| 79. | 710-307 | Leveler Screw |
| 80. | 438-10450 | Clutch Yoke Pivot Bracket Assy. |
| 81. | 438-9580 | Center Console Assembly |
| 82. | 312-9522 | Seat Assembly 10 & 12 H.P. Only |
| | 757-203 | Seat Assembly 14 H.P. Only |
| 83. | 312-9572 | Seat Back Assembly 10 & 12 H.P. Only |
| 84. | 312-9569 | Seat Slide Plate Assembly 10 & 12 H.P. Only |
| 85. | 438-9582 | Foot Pad Assembly - R. H. |
| 86. | 438-9480 | Second Gear Stop |
| 87. | 438-9493 | Rear Fender |
| 88. | 438-9516 | Bezel - Head Lamp |
| 89. | 312-9525 | Hood |
| 90. | 438-9438 | PTO Spring Bracket |
| 91. | 438-9433 | Index Bracket |
| 92. | 438-9408 | Side Plate R. H. |
| 93. | 438-9477 | Idler Crank |
| 94. | 712-923 | Hex Center Locknut 5/8-18 Thd.* |
| 95. | 711-447 | Spring Guide - Clutch |
| 96. | 438-9538 | Hood Stop |
| 97. | 438-9575 | Hood Catch |
| 98. | 438-9576 | Grille Brace |
| 99. | 438-9479 | Lift Bar |
| 100. | 438-9476 | PTO Belt Trapout |
| 101. | 438-10489 | Clutch Idler Bracket Assembly |
| 102. | 438-9457 | Pivot Bar Assembly |
| 103. | 348-335 | Pivot Bolt |
| 104. | 712-205 | Elastic Stop Nut 3/4-10 Thd. |
| 105. | 719-123 | Transaxle Drive Sheave |
| 106. | 901-10467 | PTO Drive and Adapter Assembly |
| 107. | 719-133 | Front Axle Support |
| 108. | 711-282 | Hitch Pin |
| 109. | 711-454 | Tie Rod |
| 110. | 711-455 | Drag Link |
| 111. | 723-156 | Tie Rod Ends |
| 112. | 723-179 | Drag Link Ends |
| 113. | 723-182 | Gas Tank w/straps |
| 114. | 723-155 | Gas Gauge |
| 115. | 723-152 | Gas Hose 1/2"O.D. x 1/4" I.D. x 1-1/2" lg. |
| 116. | 723-154 | Gas Filter |
| 117. | 723-157 | Hose Clamps 1/2" O.D. |
| 118. | 723-159 | Gas Valve |
| 119. | 723-153 | Gas Hose 1/2" O.D. x 1/4" I.D. x 10-1/2" lg. |
| 120. | 723-185 | Steering Wheel |
| 121. | 723-186 | Hood Latch |
| 122. | 723-188 | Steering Wheel Cap |
| 123. | 723-189 | Seat Back Spring 10 & 12 H.P. Only |
| 124. | 723-190 | Seat Cover 10 & 12 H.P. Only |
| 125. | 723-191 | Seat Back Rest Cover 10 & 12 H.P. Only |
| 126 | 723-181 | Seat Spring |
| 127. | 719-139 | Grille |
| 128. | 719-137 | Front Sheave |
| 129. | 719-140 | Gear Box Sheave |
| 130. | | Transaxle w/gear Shift Lever |

## PARTS LIST FOR TRACTOR (Continued)

| Ref. No. | Part Number | DESCRIPTION |
|---|---|---|
| 131. | | Right Angle Gear Box |
| 132. | 715-107 | Spirol Pin 5/16-1-3/8 lg.* |
| 133. | 736-182 | Wave Washer |
| 134. | 748-386 | Axle Collar |
| 135. | 710-346 | Oval Hd. Screw 1/4-20 x 1-1/2 lg.* |
| 136. | 438-10716 | Lift Arm Ass'y. |
| 137. | 710-356 | Sq. Hd. Set Screw 5/16-18 x 1/2 lg.* |
| 138. | 438-10991 | Adjustment Clevis Ass'y. |
| 139. | 438-9405 | Frame - Rear |
| 140. | 732-145 | Spring |
| 141. | 711-293 | PTO Clutch Rod |
| 142. | 722-117 | Parking Brake Knob 10 & 12 H.P. Only |
| 143. | 732-179 | Compression Spring 10 & 12 H.P. Only |
| 144. | 710-106 | Hex Hd. Cap Screw 1/4-20 x 1-1/2 lg.* |
| 145. | 18-1759-0000 | Cam (Lever) |
| 146. | 710-166 | Truss Hd. Machine Screw 1/4-20 x 1-1/8 lg.* |
| 147. | 710-182 | Hex Hd. Cap Screw 1/2-13 x 3 lg.* |
| 148. | 710-198 | Sems Hex Hd. Cap Screw 5/16-18 x 3/4 lg.* |
| 149. | 710-211 | Sems Hex Hd. Cap Screw 1/4-20 x 3/4 lg.* |
| 150. | 710-216 | Hex Head Cap Screw 3/8-16 x 3/4 lg.* |
| 151. | 710-253 | Hex Head Cap Screw 3/8-16 x 1 lg.* |
| 152. | 710-258 | Hex Head Cap Screw 1/4-20 x 5/8 lg.* |
| 153. | 715-121 | Spirol Pin 1/4 x 2" lg. Heavy Duty |
| 154. | 710-322 | Sems Hex Hd. Cap Screw 5/16-18 x 1 lg.* |
| 155. | 710-334 | Shoulder Screw 3/8-16 x .625 Dia. |
| 156. | 710-336 | Wheel Lug Bolts 7/16-20 x 1-3/16 lg.* |
| 157. | 710-342 | Hex Hd. Cap Screw 3/8-16 x 1-1/4 lg.* |
| 158. | 710-344 | Hex Hd. Cap Screw 3/8-16 x 1-1/2 lg.* |
| 159. | 710-347 | Hex Hd. Cap Screw 3/8-16 x 1-3/4 lg.* |
| 160. | 710-348 | Hex Hd. Cap Screw 7/16-20 x 3/4 lg.* |
| 161. | 710-350 | Counter Sunk Flat Hd. Screw 1/4-20 x 1 lg.* |
| 162. | 710-351 | Phil. Hd. Screw #10-Type Z - 1/2 lg.* |
| 163. | 710-355 | Rd. Hd. Screw 1/4-20 x 1-1/4 lg.* |
| 164. | 710-360 | Carriage Bolt, 1/2-13 x 1-3/4 lg.* 10 & 12 H.P. Only |
| 165. | 06-1029-0000 | Spring, Compression |
| 166. | 710-473 | Truss Hd. Mach. Screw #10-24 x 1/2 lg.* |
| 167. | 710-937 | Hex Hd. Cap Screw 3/8-16 x 2-1/2 lg.* |
| 168. | 711-225 | Clevis Pin |
| 169. | 711-278 | Battery Hold Down Rod |
| 170. | 711-280 | Brake Spacer Tube |
| 171. | 711-284 | Battery Hold Down Stud |
| 172. | 711-288 | Ferrule |
| 173. | 711-289 | Clutch Stud |
| 174. | 711-292 | Brake Rod |
| 175. | 756-127 | Idler PTO |
| 176. | 711-308 | Clevis Pin |
| 177. | 711-309 | Clevis Pin |
| 178. | 711-310 | Clevis Pin |
| 179. | 711-313 | Sleeve 10 & 12 H.P. Only |
| 180. | 732-205 | Clutch Spring |
| 181. | 05-1033-0000 | Pin, Push |
| 182. | 712-113 | Wing Nut 1/4-20 Thd.* |
| 183. | 712-116 | Elastic Stop Nut 3/8-24 Thd.* |
| 184. | 712-193 | Lug Nut 3/8-24 Thd. |
| 185. | 712-200 | Elastic Stop Nut 1/2-20 Thd.* |
| 186. | 712-204 | Elastic Stop Nut 1/2-13 Thd.* |
| 187. | 712-206 | Hex Nut 1/2-13 Thd.* 10 & 12 H.P. Only |
| 188. | 12-1984-0000 | Casting, Cam Side |
| 189. | 712-287 | Hex Nut 1/4-20 Thd.* |
| 190. | 712-425 | Square Nut #10-24 Thd.* |
| 191. | 712-430 | Elastic Stop Nut 3/8-16 Thd.* |
| 192. | 712-492 | Square Nut 1/4-20 Thd.* |
| 193. | 712-711 | Hex Jam Nut 3/8-24 Thd.* |
| 194. | 712-798 | Hex Nut 3/8-16 Thd.* |
| 195. | 712-922 | Hex Nut 1/2-20 Thd.* |

| Ref. No. | Part Number | DESCRIPTION |
|---|---|---|
| 196. | 713-136 | Clutch Bracket Chain |
| 197. | 713-116 | Master Link |
| 198. | 719-158 | PTO and Drive Adapter |
| 199. | 714-117 | Hair Pin Cotter |
| 200. | 714-118 | Square Key 1/4 x 1-1/2 lg.* |
| 201. | 714-119 | Square Key 1/4 x 3/4 lg.* |
| 202. | 714-120 | Square Key 1/4 x 3 lg.* |
| 203. | 714-121 | Cotter-Pin 5/32 Dia. x 1 lg.* |
| 204. | 714-474 | Cotter - Pin 1/8 Dia. x 3/4 lg.* |
| 205. | 715-107 | Spirol Pin 5/16 x 1-3/8 Heavy Duty* |
| 206. | 715-113 | Spirol Pin 5/16 x 2-1/2 Heavy Duty* |
| 207. | 715-101 | Spirol Pin 1/4 x 2-1/2 |
| 208. | 716-101 | Snap Ring Truarc #5100-75 |
| 209. | 15-1070-1069 | Pad, Friction |
| | 15-1070-1049 | Pad, Friction |
| 210. | 716-111 | Snap Ring Truarc #5100-87 |
| 211. | 723-236 | Brake Disc Assembly |
| 212. | 722-116 | Gear Shift Knob |
| 213. | 722-118 | Throttle Control Knob |
| 214. | 736-214 | Flat Washer |
| 215. | 723-183 | Serrated Plate |
| 216. | 725-119 | Ammeter |
| 217. | 725-129 | Ignition Switch |
| 218. | 725-130 | Battery - 12 volt |
| 219. | 725-131 | Light Switch |
| 220. | 711-309 | Clevis Pin 5/8 Dia. x 1-1/16" lg. |
| 221. | 725-157 | Cable Ties (Not Shown) |
| 222. | 711-225 | Clevis Pin 5/8 Dia. |
| 223. | 438-10994 | Clevis Screw Ass'y. |
| 224. | 438-10993 | Upper Hitch Bracket |
| 225. | 711-174 | Clevis Pin 5/8 Dia. |
| 226. | 711-497 | Link Clevis Pin |
| 227. | 438-10986 | Draft Bar Ass'y.—R.H. |
| 228. | 726-119 | Button |
| 229. | 727-143 | Grease Gun |
| 230. | 728-111 | Pop Rivet SD 44 B 5 |
| 231. | 728-113 | Pop Rivet SD 64 B 3 |
| 232. | 732-155 | Extension Spring |
| 233. | 503-9262 | Wheel Assembly - Complete ** |
| | 312-9262 | Wheel Rim |
| | 734-275 | Tire - Tubeless 16 x 6.50-8 |
| 234. | 734-262 | Wheel Assembly-Complete** 10 H.P. Only |
| | 734-320 | Wheel Assembly-Complete (12 & 14 H.P.) |
| | 734-279 | Wheel Rim |
| | 734-278 | Tire - Tubeless 23 x 8.50-12 |
| | 734-322 | Tire-Tubeless 23 x 9.50-12 (12 & 14 H.P.) |
| 235. | 03-1031-0000 | Disc, Back-Up |
| 236. | 710-442 | Hex Hd. Cap Screw 5/16-18 x 1-1/2 lg.* |
| 237. | 736-133 | Flat Washer* |
| 238. | 736-147 | External Lockwasher #10 Screw* |
| 239. | 711-444 | Spring Collar - Clutch |
| 240. | 736-163 | Flat Washer* |
| 241. | 736-148 | External Lockwasher 3/8 Screw* |
| 242. | 736-171 | Spring Lockwasher 7/16 Screw* |
| 243. | 736-180 | Flat Washer* |
| 244. | 736-181 | Flat Washer* |
| 245. | 736-264 | Flat Washer 5/16 SAE* |
| 246. | 736-300 | Flat Washer* |
| 247. | 736-466 | Flat Washer* |
| 248. | 712-429 | Elastic Stop Nut 5/16-18* |
| 249. | 736-860 | Flat Washer* |
| 250. | 736-921 | Spring Lockwasher 1/2 Screw* 10 & 12 H.P. Only |
| 251. | 737-111 | Muffler Nipple 1" Dia. x 6" lg.*‡ |
| 252. | 737-112 | Gas Tank Nipple 3/8" Dia.* |
| 253. | 746-129 | Choke Control |
| 254. | 746-130 | Throttle Control |
| 255. | 310-9420-1 | Clutch - Brake Pedal Assembly |

## PARTS LIST FOR TRACTOR (Continued)

| Ref. No. | Part Number | DESCRIPTION | Ref. No. | Part Number | DESCRIPTION |
|---|---|---|---|---|---|
| 256. | 438-10925 | Clutch Brake Crank Assembly | 274. | 719-136 | Rear Wheel Hub |
| 257. | 438-9431 | Clutch Shaft Bracket Assembly | 275. | 754-124 | Belt - Transaxle Drive 57-3/8 lg. (Gates 9224-2701) |
| 258. | 711-318 | Sleeve | | | |
| 259. | 310-9437 | Brake Link | 276. | 725-128 | Key |
| 260. | 714-117 | Hair Pin Cotter* | 277. | 438-10551 | Gear Box Mounting Washer |
| 261. | 312-9531 | Heat Shield Assembly | 278. | 438-9591 | Gear Box Mounting Plate |
| 262. | 312-9529 | Heat Shield Mounting Bracket Assembly | 279. | 732-204 | Clutch Helper |
| 263. | 438-9581 | Foot Pad Assembly L. H. | 280. | 310-10477 | Bearing Assembly - Clutch |
| 264. | 310-7387 | Flat Washer 10 & 12 H.P. Only | 281. | 715-125 | Spirol Pin 3/8 x 2" lg. Heavy Duty |
| 265. | 438-9409 | Side Plate L. H. | 282. | 12-1536-0001 | Casting, Carrier Side |
| 266. | 741-140 | Ball Bearing | 283. | 710-340 | Shoulder Bolt ½" dia. x ¾" lg. |
| 267. | 438-9445 | Parking Brake Link | 284. | 754-139 | Starter Generator "V"-Belt (Special) |
| 268. | 312-9526 | Generator Bracket | 285. | 736-217 | Spring Lockwasher 3/8 Scr. Heavy Duty* |
| 269. | 312-9527 | Generator Pivot Bracket | 286. | 710-253 | Hex Hd. Cap Scr. 3/8-16 x 1-11/31* |
| 270. | 310-9528 | Bezel - Instrument Panel | 287. | 736-158 | Spring Lockwasher* |
| 271. | 312-9534 | Heat Shield Angle Bracket | 288. | 712-342 | Hex Jam Nut 3/8-16 Thd.* |
| 272. | 305-9584 | Instrument Panel | 289. | 310-10988 | Hitch Chain Hook w/3/8 Thd. |
| 273. | 438-9443 | Parking Brake Bracket Assembly | 290. | 438-10985 | Draft Bar Ass'y.—L.H. |

** When ordering service parts include all the information on the side wall of the tire such as the size and brand name.

* For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

+ Power Take Off belts are matched. Always order in pairs.

‡ Not shown. Nipple between engine and muffler.

# RIGHT ANGLE DRIVE FOR TRACTOR

## PEERLESS

## RA-208-P91

**NOTE: No Peerless, Tecumseh parts orders will be accepted by the mower manufacturer.**

**All parts MUST be ordered through your local authorized Tecumseh service dealer.**

Find Us Fast
In The
Yellow Pages

**PEERLESS MODEL**

Parts and service available through all authorized Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

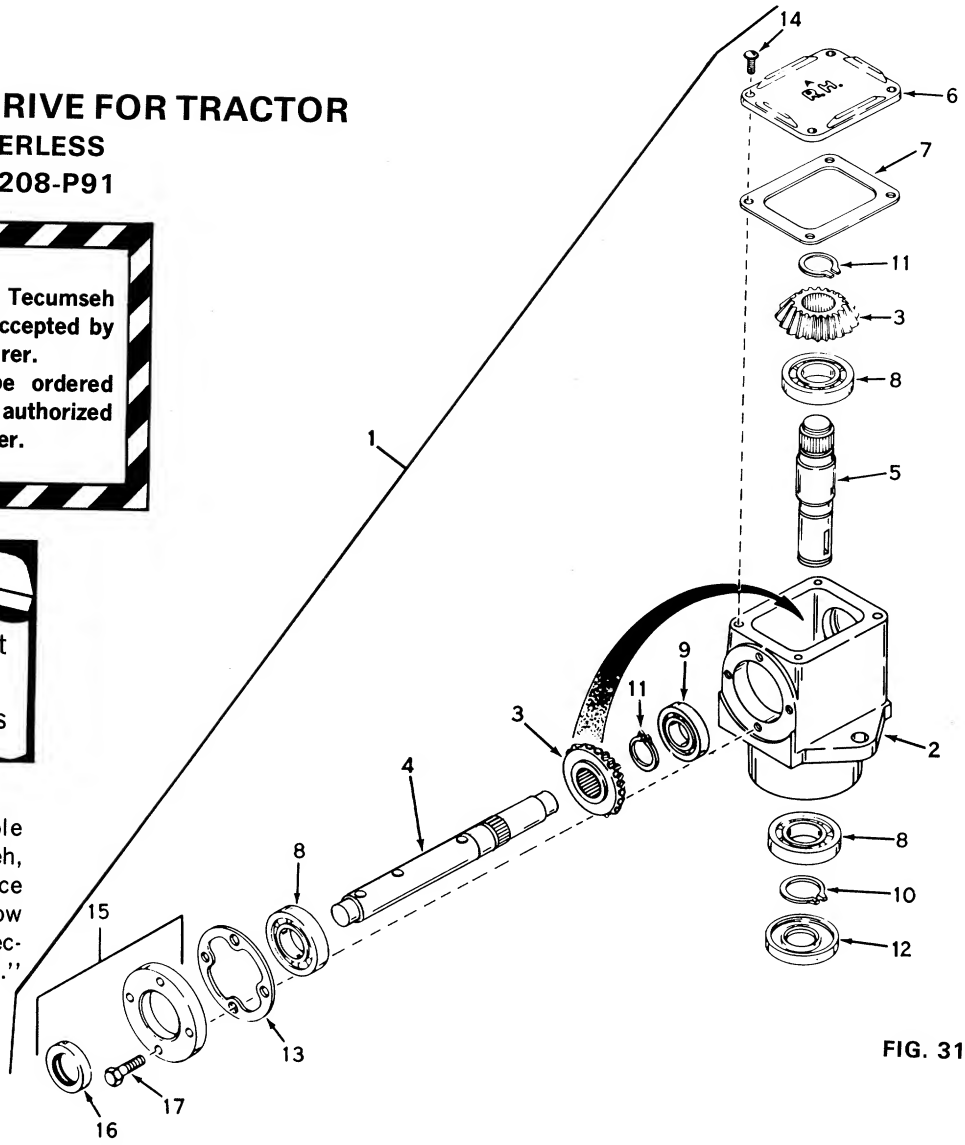



FIG. 31

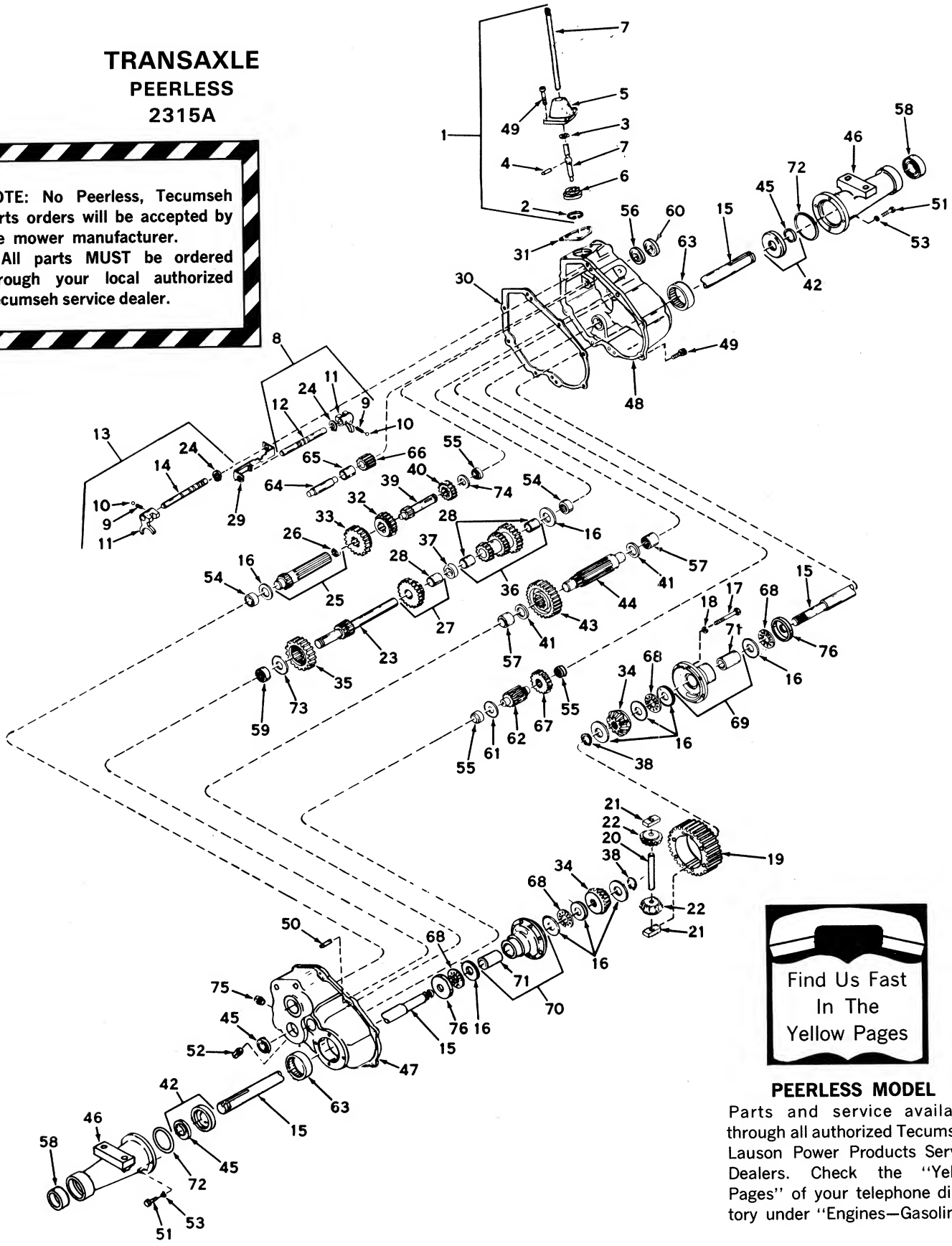
**RIGHT ANGLE DRIVE MODEL NO. (PEERLESS RA-208-P91)**

| REF. NO. | PART NUMBER | DESCRIPTION |
|---|---|---|
| 1 | 794077 | Head Assy. Right hand (Incl. Nos. 2 thru 15) |
| 2 | 770026 | Housing, Right angle drive |
| 3 | 778046 | Gear, Miter |
| 4 | 776116 | Shaft, Input pinion |
| 5 | 776060A | Shaft, Output |
| 6 | 772034 | Cover, Right hand |
| 7 | 788028 | Gasket, Cover |
| 8 | 780034 | Bearing, Ball |
| 9 | 780024 | Bearing, Ball |
| 10 | 788019 | Ring, Snap |
| 11 | 788018 | Ring, Snap |
| 12 | 788029 | Seal, Oil |
| 13 | 788030 | Gasket, Cap |
| 14 | 792025 | Screw, Rd. hd. self tap, 10-24 x 1/2 |
| 15 | 786029 | Cap & Seal Assy., Retainer (Incl. Nos. 16 & 17) |
| 16 | 788031 | Seal, Oil |
| 17 | 792026 | Screw, Hex hd. 1/4-20 x 7/8 |

# TRANSAXLE
## PEERLESS
## 2315A

**NOTE: No Peerless, Tecumseh parts orders will be accepted by the mower manufacturer.**

**All parts MUST be ordered through your local authorized Tecumseh service dealer.**



Find Us Fast In The Yellow Pages

**PEERLESS MODEL**

Parts and service available through all authorized Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

## TRANSAXLE MODEL NO. (PEERLESS 2315-A)

| Ref. No. | Part No. | DESCRIPTION |
|---|---|---|
| 1 | 784151 | Lever & Housing Assy., Shift (Incl. Nos. 2 thru 7) |
| 2 | 792016 | Ring, Snap |
| 3 | 792001 | Ring, Quad |
| 4 | 792002 | Pin, Roll |
| 5 | 784093 | Housing, Shift lever |
| 6 | 784094 | Keeper, Shift lever |
| 7 | 784152 | Lever, Shift |
| 8 | 784054 | Rod Assy., Shift (Incl. Nos. 9 thru 12 & 24) |
| 9 | 792003 | Spring |
| 10 | 792004 | Ball, Steel |
| 11 | 784004 | Fork, Shifter |
| 12 | 784055 | Rod, Shifter (3rd & 4th) |
| 13 | 784056 | Rod Assy., Shift (Incl. Nos. 9, 10, 11 & 14) |
| 14 | 784057 | Rod, Shifter (low) |
| 15 | 774124 | Axle |
| 16 | 780042 | Washer, Thrust |
| 17 | 792005 | Screw, Hex hd. cap, 1/4-20 x 2-1/2 |
| 18 | 792006 | Lockwasher, 1/4 |
| 19 | 778033A | Gear, Ring |
| 20 | 786019 | Pin, Drive |
| 21 | 786027 | Block, Drive |
| 22 | 778094 | Pinion, Bevel |
| 23 | 776029A | Shaft & Gear, Brake |
| 24 | 792017 | Ring, Snap |
| 25 | 776026 | Shaft & Bearing Assy., Pinion (Incl. No. 26) |
| 26 | 780018 | Bearing |
| 27 | 778034 | Gear Cluster Assy., (Incl. No. 28) |
| 28 | 780053 | Bushing |
| 29 | 784074 | Stop, Shifter |
| 30 | 788023 | Gasket, Case & Cover |
| 31 | 788022 | Gasket, Shift lever housing |
| 32 | 778019 | Gear, Shifting (3rd & 4th) |
| 33 | 778020 | Gear, Shifting (1st, 2nd & Rev.) |
| 34 | 778095 | Gear, Bevel |
| 35 | 778037 | Gear, Idler |
| 36 | 778035 | Gear Cluster Assy., (Incl. No. 28) |
| 37 | 786024 | Spacer |
| 38 | 792018 | Ring, Snap |
| 39 | 776015A | Shaft, Input |
| 40 | 778024 | Spur Gear, Input shaft |
| 41 | 780052 | Washer, Thrust |
| 42 | 788021 | Seal & Retainer Assy., Oil (Incl. No. 45) |
| 43 | 778036 | Gear, Output |
| 44 | 776028 | Pinion, Output |
| 45 | 788008 | Seal, Oil |
| 46 | 782024 | Housing, Axle |
| 47 | 772016A | Cover Assy., Transaxle (Incl. Nos. 54, 55, 57, 59 & 63) |
| 48 | 770012 | Case Assy., Transaxle (Incl. Nos. 54, 55, 57 & 63) |
| 49 | 792007 | Screw, Socket hd. cap, 1/4-20 x 3/4 |
| 50 | 786026 | Pin, Dowel |
| 51 | 792028 | Screw, Hex hd. 5/16-18 x 7/8 |
| 52 | 792019 | Plug, Magnetic drain |
| 53 | 792029 | Lockwasher, Split 5/16" |
| 54 | 780049 | Bearing, Needle |
| 55 | 780022 | Bearing, Needle |
| 56 | 780024 | Bearing, Ball |
| 57 | 780047 | Bearing, Needle |
| 58 | 780050 | Bearing, Ball |
| 59 | 780046 | Bearing, Needle |
| 60 | 788025 | Seal, Oil |
| 61 | 780001 | Washer |
| 62 | 776031 | Shaft & Pinion |
| 63 | 780048 | Bearing, Needle |
| 64 | 776030 | Shaft, Reverse idler |
| 65 | 786025 | Spacer, Reverse idler |
| 66 | 778016 | Idler, Reverse |
| 67 | 778038 | Spur gear (22 teeth) |
| 68 | 780039 | Bearing, Thrust |
| 69 | 774072A | Carrier Assy., Differential (Incl. No. 71) |
| 70 | 774071A | Carrier Assy., Differential (Incl. No. 71) |
| 71 | 780041 | Bushing |
| 72 | 788024 | "O" Ring |
| 73 | 780007 | Washer, Thrust |
| 74 | 780051 | Washer, Thrust |
| 75 | 792010 | Plug, Pipe |
| 76 | 780075 | Race, Thrust |